**3GPP TSG-RAN4 Meeting #100-e *R4-2114924***

**Online, , 16th Aug 2021 - 27th Aug 2021 Revison of R4-2114245**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | **0634** | **rev** | 1 | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | CR for 38.101-3: Introduction of BCS4 and BCS5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | T-Mobile USA | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_BCS4-Core | | | | |  | ***Date:*** | | | 2021-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding BCS4 and BCS5 to 38.101-3 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adds text for BCS4 and BCS5 and adds BCS4 and BCS5 for CA\_n41A-n258A and CA\_n41A-n258(2A) example combinations. CA\_n41A-n258A was moved in the table because it was in the incorrect position. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | BCS4 and BCS5 not in 38.101-3 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5A.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS/TR 38.521CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1 removed the last proposed sentence from 5.5A.1, added example combination CA\_n41A-n258(2A) | | | | | | | | |

<First changed section>

## 5.5 Configuration

## 5.5A Configuration for CA

#### 5.5A.1 Inter-band CA configurations between FR1 and FR2

The configurations for operating bands for CA including Band n41 also apply for the corresponding operating bands for CA with Band n90 replacing Band n41 but with otherwise identical parameters. For brevity the said configuration for operating bands for CA with Band n90 are not listed in the tables below but are covered by this specification.

The configuration tables for CA describe Bandwidth Combination Sets. Bandwidth Combination Set 4 and 5 contains all possible defined channel bandwidths for each band in the combination. The fact that BCS4 and BCS5 contains all channel bandwidths for each band does not alter if a bandwidth is mandatory or optional for a given band. Bandwidths that are identified as optional in Table 5.3.5-1 for a given release are still optional for UEs that support BCS4 or BCS5.

Table 5.5A.1-1: Inter-band CA configurations and bandwidth combinations sets between FR1 and FR2 (two bands)

| NR CA configuration | Uplink CA configuration | | NR Band | | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Bandwidth combination set |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n1A-n257A | CA\_n1A-n257A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n1A-n257D | - | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257E | - | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257F | - | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257G | CA\_n257G  CA\_n1A-n257A  CA\_n1A-n257G | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257H | CA\_n257G  CA\_n257H  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257J | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n1A-n257J | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257K | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n1A-n257J  CA\_n1A-n257K | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257L | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n1A-n257J  CA\_n1A-n257K | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n257M | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n1A-n257J  CA\_n1A-n257K | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258A | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n1A-n258B | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258C | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258D | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258E | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258F | CA\_n1A-n258A | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258G | CA\_n1A-n258A  CA\_n1A-n258G | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258H | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258I | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H  CA\_n1A-n258I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258J | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H  CA\_n1A-n258I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258K | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H  CA\_n1A-n258I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258L | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H  CA\_n1A-n258I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n1A-n258M | CA\_n1A-n258A  CA\_n1A-n258G  CA\_n1A-n258H  CA\_n1A-n258I | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | n1 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260A | CA\_n2A-n260A | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n2A-n260G | CA\_n2A-n260A  CA\_n2A-n260G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260H | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260I | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260J | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260K | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n2A-n260K | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260L | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n2A-n260K  CA\_n2A-n260L | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n260M | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n2A-n260K  CA\_n2A-n260L  CA\_n2A-n260M | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261A | CA\_n2A-n261A | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n2A-n261G | CA\_n2A-n261A  CA\_n2A-n261G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261H | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261I | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261J | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261K | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261L | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261M | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2A) | CA\_n2A-n261A | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2G) | CA\_n2A-n261A  CA\_n2A-n261G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2H) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(3A) | CA\_n2A-n261A | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(4A) | CA\_n2A-n261A | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-G) | CA\_n2A-n261A  CA\_n2A-n261G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-H) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-J) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-J) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-K) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-K) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-L) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-L) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(G-H) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(H-I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(H-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(G-I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-G-H) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-G-I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2A-H) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2A-G) | CA\_n2A-n261A  CA\_n2A-n261G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(2A-I) | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n2A-n261(A-2G) | CA\_n2A-n261A  CA\_n2A-n261G | | n2 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n257A | CA\_n3A-n257A | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n3A-n257D | CA\_n3A-n257A  CA\_n3A-n257D | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n257G | CA\_n3A-n257A  CA\_n3A-n257G | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n257H | CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n257I | CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258A | CA\_n3A-n258A | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n3A-n258B | CA\_n3A-n258A  CA\_n3A-n258B | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258C | CA\_n3A-n258A  CA\_n3A-n258B  CA\_n3A-n258C | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258D | CA\_n3A-n258A  CA\_n3A-n258D | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258E | CA\_n3A-n258A  CA\_n3A-n258D  CA\_n3A-n258E | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258F | CA\_n3A-n258A  CA\_n3A-n258D  CA\_n3A-n258E  CA\_n3A-n258F | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258G | CA\_n3A-n258A  CA\_n3A-n258G | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258H | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258I | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258J | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258K | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258L | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n3A-n258M | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I | | n3 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260A | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n5A-n260(2A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(3A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(4A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(5A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(6A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(7A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260(8A) | CA\_n5A-n260A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260G | CA\_n5A-n260A  CA\_n5A-n260G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260H | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260I | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260J | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260K | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n5A-n260K | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260L | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n5A-n260K  CA\_n5A-n260L | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n260M | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n5A-n260K  CA\_n5A-n260L  CA\_n5A-n260M | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261A | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n5A-n261(2A) | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(3A) | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(4A) | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261G | CA\_n5A-n261A  CA\_n5A-n261G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261H | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261I | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261J | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_n5A\_n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261K | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_n5A\_n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261L | CA\_n5A-n261A  CA\_n5A\_n261G  CA\_n5A\_n261H  CA\_n5A\_n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261M | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261O | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261P | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261Q | CA\_n5A-n261A | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2G) | CA\_n5A-n261A  CA\_n5A-n261G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2H) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-G) | CA\_n5A-n261A  CA\_n5A-n261G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-H) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-J) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-J) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-K) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-K) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-L) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-L) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(G-H) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(H-I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(H-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(G-I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-G-H) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-G-I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2A-H) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2A-G) | CA\_n5A-n261A  CA\_n5A-n261G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(2A-I) | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n5A-n261(A-2G) | CA\_n5A-n261A  CA\_n5A-n261G | | n5 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258A | CA\_n7A-n258A | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n7A-n258B | CA\_n7A-n258A  CA\_n7A-n258B | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258C | CA\_n7A-n258A  CA\_n7A-n258B  CA\_n7A-n258C | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258D | CA\_n7A-n258A  CA\_n7A-n258D | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258E | CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258F | CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E  CA\_n7A-n258F | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258G | CA\_n7A-n258A  CA\_n7A-n258G | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258H | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258I | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258J | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258K | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258L | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7A-n258M | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258A | CA\_n7A-n258A | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n7B-n258B | CA\_n7A-n258A  CA\_n7A-n258B | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258C | CA\_n7A-n258A  CA\_n7A-n258B  CA\_n7A-n258C | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258D | CA\_n7A-n258A  CA\_n7A-n258D | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258E | CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258F | CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E  CA\_n7A-n258F | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258G | CA\_n7A-n258A  CA\_n7A-n258G | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258H | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258I | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258J | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258K | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258L | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n7B-n258M | CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I | | n7 | | CA\_n7B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n8A-n258A | CA\_n8A-n258A | | n8 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n25A-n258A | CA\_n25A-n258A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n25A-n258(2A) | CA\_n25A-n258A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n258(3A) | CA\_n25A-n258A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n258(4A) | CA\_n25A-n258A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n258(5A) | CA\_n25A-n258A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260A | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n25A-n260(2A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(3A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(4A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(5A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(6A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(7A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260(8A) | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260G | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260H | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260I | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260J | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260K | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260L | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n260M | CA\_n25A-n260A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n25A-n261A | CA\_n25A-n261A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n25A-n261(2A) | CA\_n25A-n261A | | n25 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n28A-n257A | CA\_n28A-n257A | | n28 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n28A-n257D | CA\_n28A-n257A  CA\_n28A-n257D | | n28 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n28A-n257G | CA\_n28A-n257A  CA\_n28A-n257G | | n28 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n28A-n257H | CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H | | n28 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n28A-n257I | CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I | | n28 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n34A-n258A | CA\_n34A-n258A | | n34 | | 5 | | | | | 10 | | | | | 15 | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n39A-n258A | CA\_n39A-n258A | | n39 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n40A-n258A | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n40A-n258D | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258E | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258F | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258G | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258H | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258I | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258J | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258K | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258L | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n40A-n258M | CA\_n40A-n258A | | n40 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| CA\_n41A-n257A | CA\_n41A-n257A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
| n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |
| CA\_n41A-n257G | CA\_n41A-n257A  CA\_n41A-n257G | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
| n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n257H | CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
| n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n257I | CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
| n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n41A-n258A | CA\_n41A-n258A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
|  |  | | See n41 channel bandwidths in 38.101-1 Table 5.3.5-1 and n258A BCS0 in 38.101-2 Table 5.3.5-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 and 5 |
| CA\_n41A-n258(2A) | CA\_n41A-n258A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | See n41 channel bandwidths in 38.101-1 Table 5.3.5-1 and n258(2A) BCS0 in 38.101-2 Table 5.5A.2-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 and 5 |
| CA\_n41A-n258(3A) | CA\_n41A-n258A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n258(4A) | CA\_n41A-n258A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n258(5A) | CA\_n41A-n258A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n258A | CA\_n41A-n258A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41C-n258(2A) | CA\_n41A-n258A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n258(3A) | CA\_n41A-n258A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n258(4A) | CA\_n41A-n258A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n258(5A) | CA\_n41A-n258A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n258A | CA\_n41A-n258A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41(2A)-n258(2A) | CA\_n41A-n258A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n258(3A) | CA\_n41A-n258A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n258(4A) | CA\_n41A-n258A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n258(5A) | CA\_n41A-n258A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260A | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41A-n260(2A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(3A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(4A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(5A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(6A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(7A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260(8A) | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260G | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260H | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260I | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260J | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260K | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260L | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n260M | CA\_n41A-n260A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260A | CA\_n41A-n260A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41(2A)-n260(2A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(3A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(4A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(5A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(6A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(7A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260(8A) | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260G | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260H | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260I | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260J | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260K | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260L | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n260M | CA\_n41A-n260A | | n41 | | CA\_n41(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260A | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | | |  |
| CA\_n41C-n260(2A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(3A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(4A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(5A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(6A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(7A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260(8A) | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260G | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260H | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260I | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260J | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260K | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260L | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n260M | CA\_n41A-n260A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41A-n261A | CA\_n41A-n261A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41A-n261(2A) | CA\_n41A-n261A | | n41 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41C-n261A | CA\_n41A-n261A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41(2A)-n261A | CA\_n41A-n261A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n41C-n261(2A) | CA\_n41A-n261A | | n41 | | CA\_n41C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n41(2A)-n261(2A) | CA\_n41A-n261A | | n41 | | CA\_n41(2A) BCS1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n260A | CA\_n48A-n260A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n48A-n260I | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n260J | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n260K | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n260L | CA\_n48A-n260A  CA\_n48A-n260G CA\_n48A-n260H CA\_n48A-n260I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n260M | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48(2A)-n260A | CA\_n48A-n260A | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | |  | | |  | | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | | |
| CA\_n48(2A)-n260I | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n260J | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n260K | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n260L | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n260M | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n260A | CA\_n48A-n260A | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | |  | | |  | | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | | |
| CA\_n48B-n260I | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n260J | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n260K | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n260L | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n260M | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n260A | CA\_n48A-n260A | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | |  | | |  | | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | | |
| CA\_n48(A-B)-n260I | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n260J | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n260K | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n260L | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n260M | CA\_n48A-n260A  CA\_n48A-n260G  CA\_n48A-n260H  CA\_n48A-n260I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48A-n261A | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n48A-n261G | CA\_n48A-n261A CA\_n48A-n261G | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261H | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261I | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261J | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261K | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261L | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261M | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(2A) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(2G) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(2I) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(2H) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(3A) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(4A) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(A-G) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(A-H) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(A-I) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(G-H) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(H-I) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(H-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48A-n261(G-I) | CA\_n48A-n261A | | n48 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48(2A)-n261A |  | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | | |  |
| CA\_n48(2A)-n261I | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n48(2A)-n261J | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n261K | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n261L | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(2A)-n261M | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n261A | CA\_n48A-n261A | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | |  | |  | | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | | | |
| CA\_n48B-n261I | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n261J | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n261K | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n261L | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48B-n261M | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n261A | CA\_n48A-n261A | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | |  | | | | |  | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | | | |
| CA\_n48(A-B)-n261I | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n261J | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n261K | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n261L | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n48(A-B)-n261M | CA\_n48A-n261A  CA\_n48A-n261G  CA\_n48A-n261H  CA\_n48A-n261I | | n48 | | CA\_n48(A-B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA\_n66A-n258A | CA\_n66A-n258A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n66A-n258(2A) | CA\_n66A-n258A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n258(3A) | CA\_n66A-n258A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n258(4A) | CA\_n66A-n258A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n258(5A) | CA\_n66A-n258A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260A | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n66A-n260(2A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(3A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(4A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(5A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(6A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(6A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(7A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(7A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260(8A) | CA\_n66A-n260A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(8A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260G | CA\_n66A-n260A  CA\_n66A-n260G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260H | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260I | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260J | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260K | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n66A-n260K | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260L | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n66A-n260K  CA\_n66A-n260L | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n260M | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n66A-n260K  CA\_n66A-n260L  CA\_n66A-n260M | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  | - | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 1 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261A | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n66A-n261(2A) | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(3A) | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(4A) | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261G | CA\_n66A-n261A  CA\_n66A-n261G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261H | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261I | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261J | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261K | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261L | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261M | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261O | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261P | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261Q | CA\_n66A-n261A | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2G) | CA\_n66A-n261A  CA\_n66A-n261G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2H) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-G) | CA\_n66A-n261A  CA\_n66A-n261G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-H) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-J) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-J) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-K) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-K) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-L) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-L) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(G-H) | CA\_n66A-n261A  CA\_n66A-n261G CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(H-I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(H-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(G-I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-G-H) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-G-I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2A-H) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2A-G) | CA\_n66A-n261A  CA\_n66A-n261G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(2A-I) | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n66A-n261(A-2G) | CA\_n66A-n261A  CA\_n66A-n261G | | n66 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n71A-n257A | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n71A-n260A | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n71A-n260(2A) | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n71A-n260(3A) | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n71A-n260(4A) | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n71A-n261A | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n71A-n261(2A) | - | | n71 | | 5 | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257A | CA\_n77A-n257A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77A-n257D | CA\_n77A-n257A  CA\_n77A-n257D | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257E | CA\_n77A-n257A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257F | CA\_n77A-n257A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257G | CA\_n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257H | CA\_n257G  CA\_n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257J | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257K | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J  CA\_n77A-n257K | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257L | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n257L  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I,  CA\_n77A-n257J  CA\_n77A-n257K  CA\_n77A-n257L | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n257M | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n257J  CA\_n257K  CA\_n257L  CA\_n257M  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J  CA\_n77A-n257K  CA\_n77A-n257L  CA\_n77A-n257M | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n257 | | CA\_n257M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n257A | CA\_n77A-n257A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77C-n257D | CA\_n77A-n257A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n257E | CA\_n77A-n257A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n257F | CA\_n77A-n257A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257A | CA\_n77A-n257A | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77(2A)-n257D | CA\_n77A-n257A  CA\_n77A-n257D | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257G | CA\_n77A-n257A  CA\_n77A-n257G | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257H | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257I | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257J | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257K | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J  CA\_n77A-n257K | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257L | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J  CA\_n77A-n257K  CA\_n77A-n257L | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n257M | CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n257J  CA\_n77A-n257K  CA\_n77A-n257L  CA\_n77A-n257M | | n77 | | CA\_n77(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n258A | CA\_n77A-n258A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77A-n258(2A) | CA\_n77A-n258A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n258(3A) | CA\_n77A-n258A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n258(4A) | CA\_n77A-n258A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n258(5A) | CA\_n77A-n258A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n258 | | CA\_n258(5A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260A | CA\_n77A-n260A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77A-n260G | CA\_n77A-n260A  CA\_n77A-n260G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260H | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260I | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260J | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260K | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260L | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n260A | CA\_n77A-n260A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77C-n260I | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n260J | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n260K | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260GI | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n260L | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260GI | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n260M | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n260M | CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n260 | | CA\_n260M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261A | CA\_n77A-n261A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | 200 | | | | | | | | 400 | | | | |  |
| CA\_n77A-n261D | CA\_n77A-n261A  CA\_n77A-n261D | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261G | CA\_n77A-n261A  CA\_n77A-n261G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261H | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261I | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261J | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I  CA\_n77A-n261J | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261K | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261L | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K  CA\_n77A-n261L | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261M | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I  CA\_n77A-n261J  CA\_n77A-n261K  CA\_n77A-n261L  CA\_n77A-n261M | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2A) | CA\_n77A-n261A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2G) | CA\_n77A-n261A  CA\_n77A-n261G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2H) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(2I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(3A) | CA\_n77A-n261A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(3A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(4A) | CA\_n77A-n261A | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(4A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-G) | CA\_n77A-n261A  CA\_n77A-n261G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-H) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | |  | | | | | | | |  | | | | | 0 |
|  |  | | n261 | | CA\_n261(A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | 10 | | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | | | |  | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(G-H) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | 10 | | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | | | |  | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(G-I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | 10 | | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | | | |  | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(H-I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 701 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(H-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-J) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-J) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-K) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-K) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-L) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-L) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-G-H) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-G-I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-G-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2A-H) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-H) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2A-G) | CA\_n77A-n261A  CA\_n77A-n261G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(2A-I) | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(2A-I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77A-n261(A-2G) | CA\_n77A-n261A  CA\_n77A-n261G | | n77 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n261 | | CA\_n261(A-2G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n261A | CA\_n77A-n261A | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | |  |
| CA\_n77C-n261I | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n261J | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n261K | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n261L | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n77C-n261M | CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | | n77 | | CA\_n77C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n261 | | CA\_n261M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257A | CA\_n78A-n257A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | |  |
| CA\_n78A-n257D | CA\_n78A-n257A  CA\_n78A-n257D | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257E | CA\_n78A-n257A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257F | CA\_n78A-n257A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257A | CA\_n78A-n257A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | |  |
| CA\_n78C-n257D | CA\_n78A-n257A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257E | CA\_n78A-n257A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257F | CA\_n78A-n257A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257G | CA\_n78A-n257A  CA\_n78A-n257G | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257H | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257I | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257J | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257K | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257L | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78C-n257M | CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257M | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|  |  | | n257 | | CA\_n257M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257G | CA\_n257G  CA\_n78A-n257A  CA\_n78A-n257G | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257H | CA\_n257G  CA\_n257H  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257J | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257K | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257L | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n257M | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n257 | | CA\_n257M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n258A | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n258 | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | | | |  |
| CA\_n78A-n258B | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n258C | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | 20 | | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | | | 0 |
|  |  | | n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| CA\_n78A-n258D | | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258E | | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258F | | CA\_n78A-n258A | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258G | | CA\_n78A-n258A  CA\_n78A-n258G | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258H | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258I | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258J | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258K | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258L | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78A-n258M | | CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L  CA\_n78A-n258M | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  | |  | | n78 | |  | | | | | 10 | | | | | 15 | | | | | | 20 | | | | 25 | | | | | 30 | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | | 70 | | | | | | 80 | | | | | | 90 | | | | | | 100 | | | | | | |  | | | | | | |  | | 1 | |
|  | |  | | n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78B-n258B | | CA\_n78A-n258A | | n78 | | CA\_n78B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
|  | |  | | n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258A | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | |  | | | | | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | | 200 | | | | | | 400 |  | |
| CA\_n78C-n258B | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258C | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258D | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258E | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258F | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258G | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258H | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258I | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258J | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258K | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258L | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n78C-n258M | | CA\_n78A-n258A | | n78 | | CA\_n78C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| n258 | | CA\_n258M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257A | | CA\_n79A-n257A | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | |  | |
| CA\_n79A-n257D | | CA\_n79A-n257A | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257E | | CA\_n79A-n257A | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257F | | CA\_n79A-n257A | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257G | | CA\_n257G  CA\_n79A-n257A, CA\_n79A-n257G | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257H | | CA\_n257G CA\_n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n257I | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n257 | | CA\_n257I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79C-n257A | | CA\_n79A-n257A | | n79 | | CA\_n79C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
|  | |  | | n257 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | |  | |
| CA\_n79C-n257D | | CA\_n79A-n257A | | n79 | | CA\_n79C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
|  | |  | | n257 | | CA\_n257D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79C-n257E | | CA\_n79A-n257A | | n79 | | CA\_n79C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
|  | |  | | n257 | | CA\_n257E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79C-n257F | | CA\_n79A-n257A | | n79 | | CA\_n79C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
|  | |  | | n257 | | CA\_n257F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| CA\_n79A-n258A | | - | | n79 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | | 40 | | | | | | 50 | | | | | | 60 | | | | | |  | | | | | | 80 | | | | | |  | | | | | | 100 | | | | | | |  | | | | | | |  | | 0 | |
|  | |  | | n258 | |  | | | | |  | | | | |  | | | | | |  | | | |  | | | | |  | | | | | | |  | | | | | | 50 | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | | 100 | | | | | | | 200 | | | | | | | 400 | |  | |
| NOTE 1: This UE channel bandwidth is optional in this release of the specification. (From Table 5.3.5-1 of 38.101-1)  NOTE 2: The CA configurations are given in Table 5.5A.1-1 of either TS 38.101-1 or TS 38.101-2 where unless otherwise stated BCS0 is referred to.  NOTE 3: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively.  NOTE 4: This UE channel bandwidth is optional in this release of the specification.  NOTE 5: For this bandwidth, the minimum requirements are restricted to operation when carrier is configured as a SCell part of DC or CA configuration (In Table 5.3.5-1 in 38.101-1).  NOTE 6: For this bandwidth, the minimum requirements are restricted to operation when carrier is configured as a downlink SCell part of CA configuration (In Table 5.3.5-1 in 38.101-1). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 5.5A.1-2: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (three bands)

| NR CA configuration | Uplink configuration | NR Band |  | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | Bandwidth combination set |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 |  |
| CA\_n1A-n40A-n258A | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n40A-n258D | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258D | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258E | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258E | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258F | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258F | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258G | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258G | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258H | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258H | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258I | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258I | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258J | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258J | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258K | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258K | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258L | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258L | | | | | | | | | | | | | | |  |
| CA\_n1A-n40A-n258M | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  |  |
|  |  | n258 | CA\_n258M | | | | | | | | | | | | | | |  |
| CA\_n1A-n77A-n257A | CA\_n1A-n77A  CA\_n1A-n257A  CA\_n77A-n257A | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n77A-n257G | CA\_n257G  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n1A-n77A-n257H | CA\_n257G  CA\_n257H  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n1A-n77A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n257A | CA\_n1A-n78A  CA\_n1A-n257A  CA\_n78A-n257A | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n78A-n257D | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257D | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257E | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257E | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257F | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257F | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257G | CA\_n257G  CA\_n1A-n78A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n78A-n257A  CA\_n78A-n257G | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n257H | CA\_n257G  CA\_n257H  CA\_n1A-n78A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n1A-n78A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n257J | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257J | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257K | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257K | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257L | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257L | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n257M | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
| n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |
| n257 | CA\_n257M | | | | | | | | | | | | | | |
| CA\_n1A-n78A-n258A | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n78A-n258D | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258D | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258E | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258E | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258F | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258F | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258G | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258G | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258H | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258H | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258I | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258I | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258J | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258J | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258K | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258K | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258L | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258L | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n258M | - | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258M | | | | | | | | | | | | | | |  |
| CA\_n1A-n79A-n257A | CA\_n1A-n79A  CA\_n1A-n257A  CA\_n79A-n257A | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n79A-n257G | CA\_n257G  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n1A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n1A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n260A | CA\_n77A-n260A  CA\_n2A-n260A | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n2A-n77A-n260I | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260I | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n260J | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260J | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n260K | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260K | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n260L | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260L | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n260M | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260M | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n261A | CA\_n77A-n261A  CA\_n2A-n261A | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n2A-n77A-n261I | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261I | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n261J | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261J | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n261K | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261K | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n261L | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261L | | | | | | | | | | | | | | |  |
| CA\_n2A-n77A-n261M | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n2 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261M | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n257A | CA\_n3A-n28A  CA\_n3A-n257A  CA\_n28A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n28A-n257D | CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257D  CA\_n28A-n257A  CA\_n28A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n257G | CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n257A  CA\_n28A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n257H | CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n257I | CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n77A-n257A | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n77A-n257D | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257D  CA\_n77A-n257A  CA\_n77A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n77A-n257G | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n77A-n257H | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n77A-n257I | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n77(2A)-n257A | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n77(2A)-n257D | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257D  CA\_n77A-n257A  CA\_n77A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n77(2A)-n257G | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257D  CA\_n3A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n77(2A)-n257H | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n77(2A)-n257I | CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n78A-n257A | CA\_n3A-n78A  CA\_n3A-n257A  CA\_n78A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n78A-n257D | CA\_n3A-n78A  CA\_n3A-n257A  CA\_n3A-n257D  CA\_n78A-n257A  CA\_n78A-n257D | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n78A-n257G | CA\_n3A-n78A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n78A-n257A  CA\_n78A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n78A-n257H | CA\_n3A-n78A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n78A-n257I | CA\_n3A-n78A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n79A-n257A | CA\_n3A-n79A  CA\_n3A-n257A  CA\_n79A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n79A-n257G | CA\_n257G  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n260A | CA\_n77A-n260A  CA\_n5A-n260A | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n5A-n77A-n260I | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260I | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n260J | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260J | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n260K | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260K | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n260L | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260L | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n260M | CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260M | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n261A | CA\_n77A-n261A  CA\_n5A-n261A | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n5A-n77A-n261I | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261I | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n261J | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261J | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n261K | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261K | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n261L | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261L | | | | | | | | | | | | | | |  |
| CA\_n5A-n77A-n261M | CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n5 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261M | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258A | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n78A-n258A | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |
|  |  | n258 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |
| CA\_n7A-n78A-n258B | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258B  CA\_n78A-n258A  CA\_n78A-n258B | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258B | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258C | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258B  CA\_n7A-n258C  CA\_n78A-n258A  CA\_n78A-n258B  CA\_n78A-n258C | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258C | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258D | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258D  CA\_n78A-n258A  CA\_n78A-n258D | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |
|  |  | n258 | CA\_n258D | | | | | | | | | | | | | | |
| CA\_n7A-n78A-n258E | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E  CA\_n78A-n258A  CA\_n78A-n258D  CA\_n78A-n258E | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258E | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258F | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258D  CA\_n7A-n258E  CA\_n7A-n258F  CA\_n78A-n258A  CA\_n78A-n258D  CA\_n78A-n258E  CA\_n78A-n258F | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |
|  |  | n258 | CA\_n258F | | | | | | | | | | | | | | |
| CA\_n7A-n78A-n258G | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n78A-n258A  CA\_n78A-n258G | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258G | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258H | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n78A-n258G  CA\_n78A-n258H | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |
|  |  | n258 | CA\_n258H | | | | | | | | | | | | | | |
| CA\_n7A-n78A-n258I | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258I | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258J | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n7A-n258J  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258J | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258K | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n7A-n258J  CA\_n7A-n258K  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |
|  |  | n258 | CA\_n258K | | | | | | | | | | | | | | |
| CA\_n7A-n78A-n258L | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n7A-n258J  CA\_n7A-n258K  CA\_n7A-n258L  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258L | | | | | | | | | | | | | | |  |
| CA\_n7A-n78A-n258M | CA\_n7A-n78A  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n7A-n258J  CA\_n7A-n258K  CA\_n7A-n258L  CA\_n7A-n258M  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L  CA\_n78A-n258M | n7 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258M | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258A | CA\_n7B-n78A  CA\_n7B-n258A  CA\_n78A-n258A | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258A | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258B | CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258B  CA\_n78A-n258A  CA\_n78A-n258B | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258B | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258C | CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258B  CA\_n7B-n258C  CA\_n78A-n258A  CA\_n78A-n258B  CA\_n78A-n258C | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258C | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258D | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258D  CA\_n78A-n258A  CA\_n78A-n258D | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258D | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258E | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258D  CA\_n7B-n258E  CA\_n78A-n258A  CA\_n78A-n258D  CA\_n78A-n258E | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258E | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258F | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258D  CA\_n7B-n258E  CA\_n7B-n258F  CA\_n78A-n258A  CA\_n78A-n258D  CA\_n78A-n258E  CA\_n78A-n258F | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258F | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258G | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n78A-n258A  CA\_n78A-n258G | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258G | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258H | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n78A-n258G  CA\_n78A-n258H | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258H | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258I | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n7B-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258 | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258I | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258J | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n7B-n258I  CA\_n7B-n258J  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258J | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258K | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n7B-n258I  CA\_n7B-n258J  CA\_n7B-n258K  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258K | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258L | CA\_n7B  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n7B-n258I  CA\_n7B-n258J  CA\_n7B-n258K  CA\_n7B-n258L  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258L | | | | | | | | | | | | | | |  |
| CA\_n7B-n78A-n258M | CA\_n7B  CA\_n7B-n78A  CA\_n7B-n258A  CA\_n7B-n258G  CA\_n7B-n258H  CA\_n7B-n258I  CA\_n7B-n258J  CA\_n7B-n258K  CA\_n7B-n258L  CA\_n7B-n258M  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n78A-n258J  CA\_n78A-n258K  CA\_n78A-n258L  CA\_n78A-n258M | n7 | CA\_n7B | | | | | | | | | | | | | | | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258M | | | | | | | | | | | | | | |  |
| CA\_n28A-n77A-n257A | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n77A-n257A | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n28A-n77A-n257D |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n28A-n77A-n257G | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n28A-n77A-n257H | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n28A-n77A-n257I | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n28A-n77(2A)-n257A | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n77A-n257A | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n28A-n77(2A)-n257D | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257D  CA\_n77A-n257A  CA\_n77A-n257D | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n28A-n77(2A)-n257G | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n28A-n77(2A)-n257H | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n28A-n77(2A)-n257I | CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n28A-n78A-n257A | CA\_n28A-n78A, CA\_n28A-n257A, CA\_n78A-n257A | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n28A-n78A-n257D | CA\_n28A-n78A  CA\_n28A-n257A  CA\_n28A-n257D  CA\_n78A-n257A  CA\_n78A-n257D | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n28A-n78A-n257G | CA\_n28A-n78A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n78A-n257A  CA\_n78A-n257G | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n28A-n78A-n257H | CA\_n28A-n78A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n28A-n78A-n257I | CA\_n28A-n78A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n28A-n79A-n257A | CA\_n28A-n79A  CA\_n28A-n257A  CA\_n79A-n257A | n28 | 5 | 10 | 15 | 20 |  | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n28A-n79A-n257G | CA\_n257G  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n28 | 5 | 10 | 15 | 20 |  | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n28A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n28 | 5 | 10 | 15 | 20 |  | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n28A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n28 | 5 | 10 | 15 | 20 |  | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258A | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  | 100 |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n40A-n78A-n258D | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258D | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258E | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258E | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258F | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258F | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258G | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258G | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258H | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258H | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258I | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258I | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258J | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258J | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258K | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258K | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258L | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258L | | | | | | | | | | | | | | |  |
| CA\_n40A-n78A-n258M | - | n40 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  |  | 90 | 100 |  |  |  |
|  |  | n258 | CA\_n258M | | | | | | | | | | | | | | |  |
| CA\_n41A-n79A-n258A | CA\_n41A-n79A  CA\_n41A-n258A  CA\_n79A-n258A | n41 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n258 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n66A-n77A-n260A | CA\_n77A-n260A  CA\_n66A-n260A | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n66A-n77A-n260I | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 | CA\_n260I | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260I | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n260J | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 | CA\_n260J | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260J | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n260K | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 | CA\_n260K | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260K | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n260L | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 | CA\_n260L | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260L | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n260M | CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I  CA\_n77A-n260A  CA\_n77A-n260G  CA\_n77A-n260H  CA\_n77A-n260I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n260 | CA\_n260M | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n260 | CA\_n260M | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n261A | CA\_n77A-n261A  CA\_n66A-n261A | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n66A-n77A-n261I | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 | CA\_n261I | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261I | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n261J | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 | CA\_n261J | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261J | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n261K | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 | CA\_n261K | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261K | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n261L | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 | CA\_n261L | | | | | | | | | | | | | | |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261L | | | | | | | | | | | | | | |  |
| CA\_n66A-n77A-n261M | CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I  CA\_n77A-n261A  CA\_n77A-n261G  CA\_n77A-n261H  CA\_n77A-n261I | n66 | 5 | 10 | 15 | 20 |  |  | 40 |  |  |  |  |  |  |  |  | 0 |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
| n261 | CA\_n261M | | | | | | | | | | | | | | |  |
|  |  | n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |  |  | 1 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n261 | CA\_n261M | | | | | | | | | | | | | | |  |
| CA\_n77A-n79A-n257A | CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n77A-n79A-n257G | CA\_n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n77A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n77A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n79A-n257A | CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n77(2A)-n79A-n257G | CA\_n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n77(2A)-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n77 | CA\_n77(2A) | | | | | | | | | | | | | | | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n78A-n79A-n257A | CA\_n78A-n79A  CA\_n78A-n257A  CA\_n79A-n257A | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n78A-n79A-n257G | CA\_n257G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n78A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n78A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  | 0 |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively. | | | | | | | | | | | | | | | | | | |

Table 5.5A.1-3: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (four bands)

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | | | | | | | | | | | | | | Bandwidth combination set |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 200 | 400 |  |
| CA\_n1A-n77A-n79A-n257A | CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n77A-n79A-n257G | CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G CA\_n257G | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n1A-n77A-n79A-n257H | CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H CA\_n257G CA\_n257H | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n1A-n77A-n79A-n257I | CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I CA\_n257G CA\_n257H CA\_n257I | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n79A-n257A | CA\_n1A-n78A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n79A-n257A | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n1A-n78A-n79A-n257G | CA\_n1A-n78A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n257G | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n79A-n257H | CA\_n1A-n78A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H CA\_n257G CA\_n257H | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n1A-n78A-n79A-n257I | CA\_n1A-n78A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I CA\_n257G CA\_n257H CA\_n257I | n1 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n78 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |  |  |
|  |  | n79 |  |  |  |  |  |  | 40 | 50 | 60 |  | 80 |  | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77A-n257A | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n28A-n77A-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77A-n257G | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77A-n257H | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77A-n257I | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n77A-n257H  CA\_n3A-n257I  CA\_n28A-n257I  CA\_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77(2A)-n257A | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n28A-n77(2A)-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77(2A)-n257G | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77(2A)-n257H | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n77A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n77(2A)-n257I | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n77A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n77A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n77A-n257H  CA\_n3A-n257I  CA\_n28A-n257I  CA\_n77A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n77 | CA\_n77(2A) | | | | | | | | | | | | | | |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n78A-n257A | CA\_n28A-n257A  CA\_n78A-n257A | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 |  |  |  |  |  |  |  | 50 |  |  |  |  | 100 | 200 | 400 |  |
| CA\_n3A-n28A-n78A-n257D | - | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257D | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n78A-n257G | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n78A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n78A-n257G | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257G | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n78A-n257H | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n78A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n78A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n78A-n257H | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257H | | | | | | | | | | | | | | |  |
| CA\_n3A-n28A-n78A-n257I | CA\_n3A-n257A  CA\_n28A-n257A  CA\_n78A-n257A  CA\_n3A-n257G  CA\_n28A-n257G  CA\_n78A-n257G  CA\_n3A-n257H  CA\_n28A-n257H  CA\_n78A-n257H  CA\_n3A-n257I  CA\_n28A-n257I  CA\_n78A-n257I | n3 | 5 | 10 | 15 | 20 | 25 | 30 |  |  |  |  |  |  |  |  |  | 0 |
|  |  | n28 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | n78 |  | 10 | 15 | 20 |  |  | 40 | 50 | 60 |  | 80 | 90 | 100 |  |  |  |
|  |  | n257 | CA\_n257I | | | | | | | | | | | | | | |  |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively. | | | | | | | | | | | | | | | | | | |

<End of changes>