**3GPP TSG-RAN WG4 Meeting #106 R4-2301500**

**Athens, Greece, 27 February – 3 March 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | **0851** | **rev** |  | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *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:*** | Big CR 38.101-3 new combinations Rel-18 NR Inter-band CA/DC for yDL/xUL (y=4,5,6, x=1,2) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_CADC\_R18\_yBDL\_xBUL-Core | | | | |  | ***Date:*** | | | 2023-02-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding new combinations Rel-18 NR Inter-band CA/DC for yDL/xUL (y=4,5,6, x=1,2) endorsed in #106 RAN4 meeting. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 4DL:  CA\_n3A-n41A-n77(2A)-n257A  CA\_n3A-n41A-n77(2A)-n257G  CA\_n3A-n41A-n77A(2A)-n257H  CA\_n3A-n41A-n77(2A)-n257I  CA\_n28A-n41A-n77(2A)-n257A  CA\_n28A-n41A-n77(2A)-n257G  CA\_n28A-n41A-n77(2A)-n257H  CA\_n28A-n41A-n77(2A)-n257I  CA\_n41A-n77(2A)-n79A-n257A  CA\_n41A-n77(2A)-n79A-n257G  CA\_n41A-n77(2A)-n79A-n257H  CA\_n41A-n77(2A)-n79A-n257I  CA\_n2A-n5A-n77A-n260A/I/J/K/L/M  CA \_n2A-n5A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  CA \_n2A-n66A-n77A-n260A/I/J/K/L/M  CA \_n2A-n66A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  CA \_n5A-n66A-n77A-n260A/I/J/K/L/M  CA \_n5A-n66A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  CA \_n2A-n5A-n48A-n260A/I/J/K/L/M  CA \_n2A-n5A-n48A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  CA \_n2A-n48A-n66A-n260A/I/J/K/L/M  CA \_n2A-n48A-n66A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  CA \_n5A-n48A-n66A-n260A/I/J/K/L/M  CA \_n5A-n48A-n66A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n2A-n5A-n77A-n260A/I/J/K/L/M  DC\_n2A-n5A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n2A-n66A-n77A-n260A/I/J/K/L/M  DC\_n2A-n66A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n5A-n66A-n77A-n260A/I/J/K/L/M  DC\_n5A-n66A-n77A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n2A-n5A-n48A-n260A/I/J/K/L/M  DC\_n2A-n5A-n48A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n2A-n48A-n66A-n260A/I/J/K/L/M  DC\_n2A-n48A-n66A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  DC\_n5A-n48A-n66A-n260A/I/J/K/L/M  DC\_n5A-n48A-n66A-n261A/I/J/K/L/M/G-H/2H/A-G-H/H-I/A-G-I  5DL:  CA\_n1A-n3A-n41A-n79A-n257A/G/H/I  CA\_n3A-n28A-n41A-n79A-n257A/G/H/I  CA\_n3A-n41A-n77A-n79A-n257A/G/H/I  CA\_n28A-n41A-n77A-n79A-n257A/G/H/I  Correction: In CA\_n1A-n3A-n28A-n77A-n257A, the n79As in the UL comfiguration are replaced by n257As and n257 CBW is added. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Approved combinations Rel-18 NR Inter-band CA/DC for yDL/xUL (y=4,5,6, x=1,2) are not included in the specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2A.1 (Tables 5.2A.1-3 and 5.2A.1-4), 5.5A.1 (Table 5.5A.1-3), 5.5A.1 (Table 5.5A.1-4), 5.5B.7.3, 5.5B.7.4 (New) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

---Start of changes---

Table 5.2A.1-3: Band combinations for inter-band CA between FR1 and FR2 (four bands)

|  |  |
| --- | --- |
| NR CA Band | NR Band |
| CA\_n1-n3-n8-n257 | n1, n3, n8, n257 |
| CA\_n1-n3-n28-n257 | n1, n3, n28, n257 |
| CA\_n1-n3-n41-n257 | n1, n3, n41, n257 |
| CA\_n1-n3-n77-n257 | n1, n3, n77, n257 |
| CA\_n1-n3-n79-n257 | n1, n3, n79, n257 |
| CA\_n1-n8-n77-n257 | n1, n8, n77, n257 |
| CA\_n1-n8-n78-n2571 | n1, n8, n78, n257 |
| CA\_n1-n28-n41-n257 | n1, n28, n41, n257 |
| CA\_n1-n28-n77-n257 | n1, n28, n77, n257 |
| CA\_n1-n28-n79-n257 | n1, n28, n79, n257 |
| CA\_n1-n41-n77-n257 | n1, n41, n77, n257 |
| CA\_n1-n41-n79-n257 | n1, n41, n79, n257 |
| CA\_n1-n77-n79-n257 | n1, n77, n79, n257 |
| CA\_n1-n78-n79-n257 | n1, n78, n79, n257 |
| CA\_n2-n5-n48-n260 | n2, n5, n48, n260 |
| CA\_n2-n5-n48-n261 | n2, n5, n48, n261 |
| CA\_n2-n5-n66-n260 | n2, n5, n66, n260 |
| CA\_n2-n5-n66-n261 | n2, n5, n66, n261 |
| CA\_n2-n5-n77-n260 | n2, n5, n77, n260 |
| CA\_n2-n5-n77-n261 | n2, n5, n77, n261 |
| CA\_n2-n48-n66-n260 | n2, n48, n66, n260 |
| CA\_n2-n48-n66-n261 | n2, n48, n66, n261 |
| CA\_n2-n66-n77-n260 | n2, n66, n77, n260 |
| CA\_n2-n66-n77-n261 | n2, n66, n77, n261 |
| CA\_n3-n7-n78-n258 | n3, n7, n78, n258 |
| CA\_n3-n8-n77-n257 | n3, n8, n77, n257 |
| CA\_n3-n28-n41-n257 | n3, n28, n41, n257 |
| CA\_n3-n28-n77-n2571 | n3, n28, n77, n257 |
| CA\_n3-n28-n78-n2571 | n3, n28, n78, n257 |
| CA\_n3-n41-n77-n257 | n3, n41, n77, n257 |
| CA\_n3-n41-n79-n257 | n3, n41, n79, n257 |
| CA\_n3-n77-n79-n257 | n3, n77, n79, n257 |
| CA\_n3-n28-n79-n257 | n3, n28, n79, n257 |
| CA\_n5-n48-n66-n260 | n5, n48, n66, n260 |
| CA\_n5-n48-n66-n261 | n5, n48, n66, n261 |
| CA\_n5-n66-n77-n260 | n5, n66, n77, n260 |
| CA\_n5-n66-n77-n261 | n5, n66, n77, n261 |
| CA\_n28-n41-n77-n257 | n28, n41, n77, n257 |
| CA\_n28-n41-n79-n257 | n28, n41, n79, n257 |
| CA\_n28-n77-n79-n257 | n28, n77, n79, n257 |
| CA\_n28-n78-n79-n257 | n28, n78, n79, n257 |
| CA\_n41-n77-n79-n257 | n41, n77, n79, n257 |
| CA\_n77-n79-n257-n259 | n77, n79, n257, n259 |
| CA\_n78-n79-n257-n259 | n78, n79, n257, n259 |
| NOTE 1: Applicable for UE supporting inter-band carrier aggregation with mandatory simultaneous Rx/Tx capability. | |

Table 5.2A.1-4: Band combinations for inter-band CA between FR1 and FR2 (five bands)

|  |  |
| --- | --- |
| NR CA Band | NR Band |
| CA\_n1-n3-n8-n77-n257 | n1, n3, n8, n77, n257 |
| CA\_n1-n3-n28-n41-n257 | n1, n3, n28, n41, n257 |
| CA\_n1-n3-n28-n77-n257 | n1, n3, n28, n77, n257 |
| CA\_n1-n3-n28-n79-n257 | n1, n3, n28, n79, n257 |
| CA\_n1-n3-n41-n77-n257 | n1, n3, n41, n77, n257 |
| CA\_n1-n3-n41-n79-n257 | n1, n3, n41, n79, n257 |
| CA\_n1-n3-n77-n79-n257 | n1, n3, n77, n79, n257 |
| CA\_n1-n28-n41-n77-n257 | n1, n28, n41, n77, n257 |
| CA\_n1-n28-n41-n79-n257 | n1, n28, n41, n79, n257 |
| CA\_n1-n28-n77-n79-n257 | n1, n28, n77, n79, n257 |
| CA\_n1-n41-n77-n79-n257 | n1, n41, n77, n79, n257 |
| CA\_n3-n28-n41-n77-n257 | n3, n28, n41, n77, n257 |
| CA\_n3-n28-n41-n79-n257 | n3, n28, n41, n79, n257 |
| CA\_n3-n41-n77-n79-n257 | n3, n41, n77, n79, n257 |
| CA\_n28-n41-n77-n79-n257 | n28, n41, n77, n79, n257 |

---Text removed---

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** |
| --- | --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n8A-n257A | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n8A-n257G | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n8A-n257H | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n8A-n257I | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n8A-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n3A-n8A-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n3A-n8A-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n3A-n8A-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n3A-n28A-n257A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n257A  CA\_n3A-n28A  CA\_n3A-n257A  CA\_n28A-n257A | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n28 | 5, 10, 15, 20 |
| n257 | 50, 100, 200, 400 |
| CA\_n1A-n3A-n28A-n257G | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n257A  CA\_n28A-n257G | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n28 | 5, 10, 15, 20 |
| n257 | CA\_n257G |
| CA\_n1A-n3A-n28A-n257H | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n28A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n28 | 5, 10, 15, 20 |
| n257 | CA\_n257H |
| CA\_n1A-n3A-n28A-n257I | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 | | n1 | 5, 10,15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n28 | 5, 10, 15, 20 |
| n257 | CA\_n257I |
| CA\_n1A-n3A-n41A-n257A | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n41A-n257A | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n41A-n257G | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n257A  CA\_n41A-n257G | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n41A-n257H | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n41A-n257I | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n77A-n257A | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n77A-n257A | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n77A-n257G | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n77A-n257H | - CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n77A-n257I | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n77A-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n3A-n77A-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n3A-n77A-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n3A-n77A-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n3A-n77(2A)-n257A | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n77(2A)-n257G | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n77(2A)-n257H | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n77(2A)-n257I | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n77(2A)-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n3A-n77(2A)-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n3A-n77(2A)-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n3A-n77(2A)-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n3A-n79A-n257A | CA\_n1A-n3A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n79A-n257A | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n1A-n3A-n79A-n257G | CA\_n1A-n3A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257G |
| CA\_n1A-n3A-n79A-n257H | CA\_n1A-n3A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25 ,30 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257H |
| CA\_n1A-n3A-n79A-n257I | CA\_n1A-n3A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 | | n1 | 5, 10, 15, 20 | 0 |
| n3 | 5, 10, 15, 20, 25, 30 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257I |
| CA\_n1A-n8A-n77A-n257A | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n8A-n77A-n257G | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n8A-n77A-n257H | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90,100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n8A-n77A-n257I | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90,100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n8A-n77A-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n8A-n77A-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n8A-n77A-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n8A-n77A-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n8A-n77(2A)-n257A | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n8A-n77(2A)-n257G | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n8A-n77(2A)-n257H | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n8A-n77(2A)-n257I | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n8A-n77(2A)-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n8A-n77(2A)-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n8A-n77(2A)-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n8A-n77(2A)-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n8A-n78A-n257A | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n8A-n78A-n257D | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257D |  |
| CA\_n1A-n8A-n78A-n257E | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257E |  |
| CA\_n1A-n8A-n78A-n257F | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257F |  |
| CA\_n1A-n8A-n78A-n257G | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n8A-n78A-n257H | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n8A-n78A-n257I | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n8A-n78A-n257J | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n1A-n8A-n78A-n257K | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n1A-n8A-n78A-n257L | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n1A-n8A-n78A-n257M | - | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n1A-n28A-n41A-n257A | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n41A-n257A | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n28 | 5, 10 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n28A-n41A-n257G | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n257A  CA\_n41A-n257G | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n28 | 5, 10 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n28A-n41A-n257H | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n28 | 5, 10 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n28A-n41A-n257I | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n28 | 5, 10 |  |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n28A-n77A-n257A | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n77A-n257A | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n1A-n28A-n77A-n257G | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257G |
| CA\_n1A-n28A-n77A-n257H | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257H |
| CA\_n1A-n28A-n77A-n257I | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257I |
| CA\_n1A-n28A-n77(2A)-n257A | | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n77A-n257A | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n28 | 5, 10, 15, 20 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n28A-n77(2A)-n257G | | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n28 | 5, 10, 15, 20 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n1A-n28A-n77(2A)-n257H | | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n28 | 5, 10, 15, 20 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n1A-n28A-n77(2A)-n257I | | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n28 | 5, 10, 15, 20 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n1A-n28A-n79A-n257A | CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n79A-n257A | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n1A-n28A-n79A-n257G | CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257G |
| CA\_n1A-n28A-n79A-n257H | CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257H |
| CA\_n1A-n28A-n79A-n257I | CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-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 | | n1 | 5, 10, 15, 20 | 0 |
| n28 | 5, 10, 15, 20 |
| n79 | 40, 50, 60, 80, 100 |
| n257 | CA\_n257I |
| CA\_n1A-n41A-n77A-n257A | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n41A-n77A-n257G | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n1A-n41A-n77A-n257H | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n1A-n41A-n77A-n257I | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n1 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n1A-n41A-n77(2A)-n257A | | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n41A-n77(2A)-n257G | | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n1A-n41A-n77(2A)-n257H | | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n1A-n41A-n77(2A)-n257I | | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n1A-n41A-n79A-n257A | | CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n41A-n79A-n257G | | CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n1A-n41A-n79A-n257H | | CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n1A-n41A-n79A-n257I | | CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
| 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-n77(2A)-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 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n77(2A)-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 | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n1A-n77(2A)-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 | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n1A-n77(2A)-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 | n1 | 5, 10, 15, 20 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | 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\_n2A-n5A-n48A-n260A | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n48A-n260I | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n48A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n48A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n48A\_n260I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260I |  |
| CA\_n2A-n5A-n48A-n260J | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n48A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n48A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n48A\_n260I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260J |  |
| CA\_n2A-n5A-n48A-n260K | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n48A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n48A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n48A\_n260I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260K |  |
| CA\_n2A-n5A-n48A-n260L | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n48A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n48A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n48A\_n260I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260L |  |
| CA\_n2A-n5A-n48A-n260M | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n48A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n48A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n48A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n48A\_n260I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260M |  |
| CA\_n2A-n5A-n48A-n261A | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n48A-n261I | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261I |  |
| CA\_n2A-n5A-n48A-n261J | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261J |  |
| CA\_n2A-n5A-n48A-n261K | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261K |  |
| CA\_n2A-n5A-n48A-n261L | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261L |  |
| CA\_n2A-n5A-n48A-n261M | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261M |  |
| CA\_n2A-n5A-n48A-n261(G-H) | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(G-H) |  |
| CA\_n2A-n5A-n48A-n261(2H) | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(2H) |  |
| CA\_n2A-n5A-n48A-n261(A-G-H) | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(A-G-H) |  |
| CA\_n2A-n5A-n48A-n261(H-I) | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(H-I) |  |
| CA\_n2A-n5A-n48A-n261(A-G-I) | CA\_n2A\_n261A  CA\_n5A\_n261A  CA\_n48A\_n261A  CA\_n2A\_n261G  CA\_n5A\_n261G  CA\_n48A\_n261G  CA\_n2A\_n261H  CA\_n5A\_n261H  CA\_n48A\_n261H  CA\_n2A\_n261I  CA\_n5A\_n261I  CA\_n48A\_n261I | | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  |  | | n5 | 5, 10, 15, 20, 25 |  |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(A-G-I) |  |
| CA\_n2A-n5A-n66A-n260A | | CA\_n2A-n260A  CA\_n5A-n260A  CA\_n66A-n260A | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n66A-n260G | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n66A-n260A  CA\_n66A-n260G | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260G |  |
| CA\_n2A-n5A-n66A-n260H | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260H |  |
| CA\_n2A-n5A-n66A-n260I | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260I |  |
| CA\_n2A-n5A-n66A-n260J | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260J |  |
| CA\_n2A-n5A-n66A-n260K | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260K |  |
| CA\_n2A-n5A-n66A-n260L | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260L |  |
| CA\_n2A-n5A-n66A-n260M | | CA\_n2A-n260A  CA\_n2A-n260G  CA\_n2A-n260H  CA\_n2A-n260I  CA\_n5A-n260A  CA\_n5A-n260G  CA\_n5A-n260H  CA\_n5A-n260I  CA\_n66A-n260A  CA\_n66A-n260G  CA\_n66A-n260H  CA\_n66A-n260I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n260 | CA\_n260M |  |
| CA\_n2A-n5A-n66A-n261A | | CA\_n2A-n261A  CA\_n5A-n261A  CA\_n66A-n261A | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n66A-n261G | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n66A-n261A  CA\_n66A-n261G | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261G |  |
| CA\_n2A-n5A-n66A-n261H | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261H |  |
| CA\_n2A-n5A-n66A-n261I | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261I |  |
| CA\_n2A-n5A-n66A-n261J | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261J |  |
| CA\_n2A-n5A-n66A-n261K | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261K |  |
| CA\_n2A-n5A-n66A-n261L | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261L |  |
| CA\_n2A-n5A-n66A-n261M | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261M |  |
| CA\_n2A-n5A-n66A-n261(2G) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n66A-n261A  CA\_n66A-n261G | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(2G) |  |
| CA\_n2A-n5A-n66A-n261(G-H) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(G-H) |  |
| CA\_n2A-n5A-n66A-n261(A-G-H) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(A-G-H) |  |
| CA\_n2A-n5A-n66A-n261(G-I) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(G-I) |  |
| CA\_n2A-n5A-n66A-n261(2H) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(2H) |  |
| CA\_n2A-n5A-n66A-n261(A-G-I) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(A-G-I) |  |
| CA\_n2A-n5A-n66A-n261(H-I) | | CA\_n2A-n261A  CA\_n2A-n261G  CA\_n2A-n261H  CA\_n2A-n261I  CA\_n5A-n261A  CA\_n5A-n261G  CA\_n5A-n261H  CA\_n5A-n261I  CA\_n66A-n261A  CA\_n66A-n261G  CA\_n66A-n261H  CA\_n66A-n261I | n2 | 5, 10, 15, 20 | 0 |
|  | |  | n5 | 5, 10, 15, 20 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | |  | n261 | CA\_n261(H-I) |  |
| CA\_n2A-n5A-n77A-n260A | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n77A-n260I | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260I |  |
| CA\_n2A-n5A-n77A-n260J | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260J |  |
| CA\_n2A-n5A-n77A-n260K | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260K |  |
| CA\_n2A-n5A-n77A-n260L | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260L |  |
| CA\_n2A-n5A-n77A-n260M | | CA\_n2A\_n260A  CA\_n5A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n5A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n5A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n5A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260M |  |
| CA\_n2A-n5A-n77A-n261A | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | 50, 100, 200, 400 |  |
| CA\_n2A-n5A-n77A-n261I | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261I |  |
| CA\_n2A-n5A-n77A-n261J | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261J |  |
| CA\_n2A-n5A-n77A-n261K | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261K |  |
| CA\_n2A-n5A-n77A-n261L | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261L |  |
| CA\_n2A-n5A-n77A-n261M | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261M |  |
| CA\_n2A-n5A-n77A-n261(G-I) | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(G-I) |  |
| CA\_n2A-n5A-n77A-n261(2H) | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(2H) |  |
| CA\_n2A-n5A-n77A-n261(A-G-H) | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(A-G-H) |  |
| CA\_n2A-n5A-n77A-n261(H-I) | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(H-I) |  |
| CA\_n2A-n5A-n77A-n261(A-G-I) | | CA\_n2A\_n261A CA\_n5A\_n261A CA\_n77A\_n261A CA\_n2A\_n261G CA\_n5A\_n261G CA\_n77A\_n261G CA\_n2A\_n261H CA\_n5A\_n261H CA\_n77A\_n261H CA\_n2A\_n261I CA\_n5A\_n261I CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n5 | 5, 10, 15, 20, 25 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(A-G-I) |  |
| CA\_n2A-n48A-n66A-n260A | | CA\_n2A\_n260A CA\_n48A\_n260  CA\_n66A\_n260A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | 50, 100, 200, 400 |  |
| CA\_n2A-n48A-n66A-n260I | | CA\_n2A\_n260A  CA\_n48A\_n260A CA\_n66A\_n260A  CA\_n2A\_n260G CA\_n48A\_n260G  CA\_n66A\_n261G  CA\_n2A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n2A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | CA\_n260I |  |
| CA\_n2A-n48A-n66A-n260J | | CA\_n2A\_n260A  CA\_n48A\_n260A CA\_n66A\_n260A  CA\_n2A\_n260G CA\_n48A\_n260G  CA\_n66A\_n261G  CA\_n2A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n2A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | CA\_n260J |  |
| CA\_n2A-n48A-n66A-n260K | | CA\_n2A\_n260A  CA\_n48A\_n260A CA\_n66A\_n260A  CA\_n2A\_n260G CA\_n48A\_n260G  CA\_n66A\_n261G  CA\_n2A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n2A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | CA\_n260K |  |
| CA\_n2A-n48A-n66A-n260L | | CA\_n2A\_n260A  CA\_n48A\_n260A CA\_n66A\_n260A  CA\_n2A\_n260G CA\_n48A\_n260G  CA\_n66A\_n261G  CA\_n2A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n2A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | CA\_n260L |  |
| CA\_n2A-n48A-n66A-n260M | | CA\_n2A\_n260A  CA\_n48A\_n260A CA\_n66A\_n260A  CA\_n2A\_n260G CA\_n48A\_n260G  CA\_n66A\_n261G  CA\_n2A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n2A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n260 | CA\_n260M |  |
| CA\_n2A-n48A-n66A-n261A | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n48A\_n261A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | 50, 100, 200, 400 |  |
| CA\_n2A-n48A-n66A-n261I | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261I |  |
| CA\_n2A-n48A-n66A-n261J | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261J |  |
| CA\_n2A-n48A-n66A-n261K | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261K |  |
| CA\_n2A-n48A-n66A-n261L | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261L |  |
| CA\_n2A-n48A-n66A-n261M | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261M |  |
| CA\_n2A-n48A-n66A-n261(G-H) | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261(G-H) |  |
| CA\_n2A-n48A-n66A-n261(2H) | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261(2H) |  |
| CA\_n2A-n48A-n66A-n261(A-G-H) | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261(A-G-H) |  |
| CA\_n2A-n48A-n66A-n261(H-I) | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261(H-I) |  |
| CA\_n2A-n48A-n66A-n261(A-G-I) | | CA\_n2A\_n261A  CA\_n48A\_n261A CA\_n66A\_n261A  CA\_n2A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n2A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n2A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n261 | CA\_n261(A-G-I) |  |
| CA\_n2A-n66A-n77A-n260A | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | 50, 100, 200, 400 |  |
| CA\_n2A-n66A-n77A-n260I | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260I |  |
| CA\_n2A-n66A-n77A-n260J | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260J |  |
| CA\_n2A-n66A-n77A-n260K | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260K |  |
| CA\_n2A-n66A-n77A-n260L | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260L |  |
| CA\_n2A-n66A-n77A-n260M | | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n260 | CA\_n260M |  |
| CA\_n2A-n66A-n77A-n261A | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | 50, 100, 200, 400 |  |
| CA\_n2A-n66A-n77A-n261I | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261I |  |
| CA\_n2A-n66A-n77A-n261J | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261J |  |
| CA\_n2A-n66A-n77A-n261K | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261K |  |
| CA\_n2A-n66A-n77A-n261L | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261L |  |
| CA\_n2A-n66A-n77A-n261M | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261M |  |
| CA\_n2A-n66A-n77A-n261(G-I) | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(G-I) |  |
| CA\_n2A-n66A-n77A-n261(2H) | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(2H) |  |
| CA\_n2A-n66A-n77A-n261(A-G-H) | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(A-G-H) |  |
| CA\_n2A-n66A-n77A-n261(H-I) | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(H-I) |  |
| CA\_n2A-n66A-n77A-n261(A-G-I) | | CA\_n2A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n2A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n2A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n2A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | n2 | 5, 10, 15, 20, 25, 30, 35 ,40 | 0 |
|  | |  | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  | |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | |  | n261 | CA\_n261(A-G-I) |  |
| CA\_n3A-n7A-n78A-n258A | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | 50, 100, 200, 400 |
| CA\_n3A-n7A-n78A-n258B | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258B |
| CA\_n3A-n7A-n78A-n258C | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258C |
| CA\_n3A-n7A-n78A-n258D | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258D |
| CA\_n3A-n7A-n78A-n258E | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258E |
| CA\_n3A-n7A-n78A-n258F | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258F |
| CA\_n3A-n7A-n78A-n258G | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258G |
| CA\_n3A-n7A-n78A-n258H | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258H |
| CA\_n3A-n7A-n78A-n258I | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258I |
| CA\_n3A-n7A-n78A-n258J | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258J |
| CA\_n3A-n7A-n78A-n258K | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258K |
| CA\_n3A-n7A-n78A-n258L | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258L |
| CA\_n3A-n7A-n78A-n258M | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | 5, 10, 15, 20, 25, 30, 40, 50 |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258M |
| CA\_n3A-n7B-n78A-n258A | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | 50, 100, 200, 400 |
| CA\_n3A-n7B-n78A-n258B | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258B |
| CA\_n3A-n7B-n78A-n258C | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258C |
| CA\_n3A-n7B-n78A-n258D | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258D |
| CA\_n3A-n7B-n78A-n258E | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258E |
| CA\_n3A-n7B-n78A-n258F | CA\_n3A-n258A  CA\_n7A-n258A  CA\_n78A-n258A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258F |
| CA\_n3A-n7B-n78A-n258G | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258G |
| CA\_n3A-n7B-n78A-n258H | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258H |
| CA\_n3A-n7B-n78A-n258I | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258I |
| CA\_n3A-n7B-n78A-n258J | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258J |
| CA\_n3A-n7B-n78A-n258K | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258K |
| CA\_n3A-n7B-n78A-n258L | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258L |
| CA\_n3A-n7B-n78A-n258M | CA\_n3A-n258A  CA\_n3A-n258G  CA\_n3A-n258H  CA\_n3A-n258I  CA\_n7A-n258A  CA\_n7A-n258G  CA\_n7A-n258H  CA\_n7A-n258I  CA\_n78A-n258A  CA\_n78A-n258G  CA\_n78A-n258H  CA\_n78A-n258I  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | | n3 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
| n7 | CA\_n7B |
| n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n258 | CA\_n258M |
| CA\_n3A-n8A-n77A-n257A | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n8A-n77A-n257G | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n8A-n77A-n257H | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n8A-n77A-n257I | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n3A-n8A-n77A-n257J | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n3A-n8A-n77A-n257K | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n3A-n8A-n77A-n257L | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n3A-n8A-n77A-n257M | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n3A-n8A-n77(2A)-n257A | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n8A-n77(2A)-n257G | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n8A-n77(2A)-n257H | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n8A-n77(2A)-n257I | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n3A-n8A-n77(2A)-n257J | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257J |  |
| CA\_n3A-n8A-n77(2A)-n257K | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257K |  |
| CA\_n3A-n8A-n77(2A)-n257L | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257L |  |
| CA\_n3A-n8A-n77(2A)-n257M | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n8 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257M |  |
| CA\_n3A-n28A-n41A-n257A | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n41A-n257A | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n28 | 5, 10, 15, 20 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n3A-n28A-n41A-n257G | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n257A  CA\_n41A-n257G | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n28 | 5, 10, 15, 20 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257G |
| CA\_n3A-n28A-n41A-n257H | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n28 | 5, 10, 15, 20 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257H |
| CA\_n3A-n28A-n41A-n257I | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n28 | 5, 10, 15, 20 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257I |
| CA\_n3A-n28A-n77A-n257A | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n28A-n77A  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-n28A  CA\_n3A-n77A  CA\_n28A-n77A  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-n28A  CA\_n3A-n77A  CA\_n28A-n77A  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-n28A  CA\_n3A-n77A  CA\_n28A-n77A  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-n77(3A)-n257A | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(3A) |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n28A-n77(3A)-n257D | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(3A) |  |
|  |  | | n257 | CA\_n257D |  |
| CA\_n3A-n28A-n77(3A)-n257G | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(3A) |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n28A-n77(3A)-n257H | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(3A) |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n28A-n77(3A)-n257I | - | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n77 | CA\_n77(3A) |  |
|  |  | | 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 |  |
| CA\_n3A-n28A-n79A-n257A | CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n79A-n257A | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n28A-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n28A-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n28A-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n28 | 5, 10, 15, 20 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n3A-n41A-n77A-n257A | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n3A-n41A-n77A-n257G | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n257 | CA\_n257G |
| CA\_n3A-n41A-n77A-n257H | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n257 | CA\_n257H |
| CA\_n3A-n41A-n77A-n257I | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |
| n257 | CA\_n257I |
| CA\_n3A-n41A-n77(2A)-n257A | | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n41A-n77(2A)-n257G | | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n3A-n41A-n77A(2A)-n257H | | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n3A-n41A-n77(2A)-n257I | | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n3A-n41A-n79A-n257A | | CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n79A-n257A | n3 | 10, 15, 20, 25, 30 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n41A-n79A-n257G | | CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 10, 15, 20, 25, 30 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n3A-n41A-n79A-n257H | | CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 10, 15, 20, 25, 30 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n3A-n41A-n79A-n257I | | CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n3 | 10, 15, 20, 25, 30 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n3A-n77A-n79A-n257A | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n77A-n79A-n257G | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n77A-n79A-n257H | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n77A-n79A-n257I | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n3A-n77(2A)-n79A-n257A | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n3A-n77(2A)-n79A-n257G | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n3A-n77(2A)-n79A-n257H | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n3A-n77(2A)-n79A-n257I | CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | | n3 | 5, 10, 15, 20, 25, 30 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n5A-n48A-n66A-n260A | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | 50, 100, 200, 400 |  |
| CA\_n5A-n48A-n66A-n260I | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A  CA\_n5A\_n260G CA\_n48A\_n260G  CA\_n66A\_n260G  CA\_n5A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n5A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | CA\_n260I |  |
| CA\_n5A-n48A-n66A-n260J | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A  CA\_n5A\_n260G CA\_n48A\_n260G  CA\_n66A\_n260G  CA\_n5A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n5A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | CA\_n260J |  |
| CA\_n5A-n48A-n66A-n260K | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A  CA\_n5A\_n260G CA\_n48A\_n260G  CA\_n66A\_n260G  CA\_n5A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n5A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | CA\_n260K |  |
| CA\_n5A-n48A-n66A-n260L | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A  CA\_n5A\_n260G CA\_n48A\_n260G  CA\_n66A\_n260G  CA\_n5A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n5A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | CA\_n260L |  |
| CA\_n5A-n48A-n66A-n260M | CA\_n5A\_n260A CA\_n48A\_n260A  CA\_n66A\_n260A  CA\_n5A\_n260G CA\_n48A\_n260G  CA\_n66A\_n260G  CA\_n5A\_n260H CA\_n48A\_n260H  CA\_n66A\_n260H  CA\_n5A\_n260I CA\_n48A\_n260I  CA\_n66A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n260 | CA\_n260M |  |
| CA\_n5A-n48A-n66A-n261A | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | 50, 100, 200, 400 |  |
| CA\_n5A-n48A-n66A-n261I | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261I |  |
| CA\_n5A-n48A-n66A-n261J | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261J |  |
| CA\_n5A-n48A-n66A-n261K | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261K |  |
| CA\_n5A-n48A-n66A-n261L | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261L |  |
| CA\_n5A-n48A-n66A-n261M | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261M |  |
| CA\_n5A-n48A-n66A-n261(G-H) | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261(G-H) |  |
| CA\_n5A-n48A-n66A-n261(2H) | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261(2H) |  |
| CA\_n5A-n48A-n66A-n261(A-G-H) | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261(A-G-H) |  |
| CA\_n5A-n48A-n66A-n261(H-I) | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261(H-I) |  |
| CA\_n5A-n48A-n66A-n261(A-G-I) | CA\_n5A\_n261A CA\_n48A\_n261A  CA\_n66A\_n261A  CA\_n5A\_n261G CA\_n48A\_n261G  CA\_n66A\_n261G  CA\_n5A\_n261H CA\_n48A\_n261H  CA\_n66A\_n261H  CA\_n5A\_n261I CA\_n48A\_n261I  CA\_n66A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n261 | CA\_n261(A-G-I) |  |
| CA\_n5A-n66A-n77A-n260A | CA\_n5A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | 50, 100, 200, 400 |  |
| CA\_n5A-n66A-n77A-n260I | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260I |  |
| CA\_n5A-n66A-n77A-n260J | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260J |  |
| CA\_n5A-n66A-n77A-n260K | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260K |  |
| CA\_n5A-n66A-n77A-n260L | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260L |  |
| CA\_n5A-n66A-n77A-n260M | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n260 | CA\_n260M |  |
| CA\_n5A-n66A-n77A-n261A | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | 50, 100, 200, 400 |  |
| CA\_n5A-n66A-n77A-n261I | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261I |  |
| CA\_n5A-n66A-n77A-n261J | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261J |  |
| CA\_n5A-n66A-n77A-n261K | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261K |  |
| CA\_n5A-n66A-n77A-n261L | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261L |  |
| CA\_n5A-n66A-n77A-n261M | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261M |  |
| CA\_n5A-n66A-n77A-n261(G-H) | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(G-H) |  |
| CA\_n5A-n66A-n77A-n261(2H) | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(2H) |  |
| CA\_n5A-n66A-n77A-n261(A-G-H) | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(A-G-H) |  |
| CA\_n5A-n66A-n77A-n261(H-I) | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(H-I) |  |
| CA\_n5A-n66A-n77A-n261(A-G-I) | CA\_n5A\_n261A  CA\_n66A\_n261A  CA\_n77A\_n261A  CA\_n5A\_n261G  CA\_n66A\_n261G  CA\_n77A\_n261G  CA\_n5A\_n261H  CA\_n66A\_n261H  CA\_n77A\_n261H  CA\_n5A\_n261I  CA\_n66A\_n261I  CA\_n77A\_n261I | | n5 | 5, 10, 15, 20, 25 | 0 |
|  |  | | n66 | 5, 10, 15, 20, 25, 30, 35, 40, 45 |  |
|  |  | | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | | n261 | CA\_n261(A-G-I) |  |
| CA\_n28A-n41A-n77A-n257A | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | | n28 | 5, 10, 15, 20 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | 50, 100, 200, 400 |
| CA\_n28A-n41A-n77A-n257G | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n28 | 5, 10, 15, 20 | 0 |
| n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |
| n257 | CA\_n257G |
| CA\_n28A-n41A-n77A-n257H | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n28A-n41A-n77A-n257I | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n28A-n41A-n77(2A)-n257A | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n28A-n41A-n77(2A)-n257G | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n28A-n41A-n77(2A)-n257H | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n28A-n41A-n77(2A)-n257I | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n28A-n41A-n79A-n257A | | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n79A-n257A | n28 | 5, 10 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n28A-n41A-n79A-n257G | | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n28 | 5, 10 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n28A-n41A-n79A-n257H | | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n28 | 5, 10 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n28A-n41A-n79A-n257I | | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n28 | 5, 10 | 0 |
|  | |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n28A-n77A-n79A-n257A | CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n28A-n77A-n79A-n257G | CA\_n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n28A-n77A-n79A-n257H | CA\_n257G  CA\_n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n28A-n77A-n79A-n257I | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n28A-n77(2A)-n79A-n257A | CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | 50, 100, 200, 400 |  |
| CA\_n28A-n77(2A)-n79A-n257G | CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n28A-n77(2A)-n79A-n257H | CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n28A-n77(2A)-n79A-n257I | CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | | n28 | 5, 10, 15, 20 | 0 |
|  |  | | n77 | CA\_n77(2A) |  |
|  |  | | n79 | 40, 50, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n28A-n78A-n79A-n257A | CA\_n28A-n78A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n79A-n257A | | n28 | 5, 10, 15 | 0 |
|  |  | | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | 100, 200, 400 |  |
| CA\_n28A-n78A-n79A-n257G | CA\_n28A-n78A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | | n28 | 5, 10, 15 | 0 |
|  |  | | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257G |  |
| CA\_n28A-n78A-n79A-n257H | CA\_n28A-n78A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | | n28 | 5, 10, 15 | 0 |
|  |  | | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257H |  |
| CA\_n28A-n78A-n79A-n257I | CA\_n28A-n78A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | | n28 | 5, 10, 15 | 0 |
|  |  | | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 100 |  |
|  |  | | n79 | 40, 50, 60, 80, 100 |  |
|  |  | | n257 | CA\_n257I |  |
| CA\_n41A-n77A-n79A-n257A | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n41A-n77A-n79A-n257G | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n41A-n77A-n79A-n257H | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n41A-n77A-n79A-n257I | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-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 | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n41A-n77(2A)-n79A-n257A | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
| CA\_n41A-n77(2A)-n79A-n257G | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
| CA\_n41A-n77(2A)-n79A-n257H | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
| CA\_n41A-n77(2A)-n79A-n257I | | CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-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 | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n77 | CA\_n77(2A) |  |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
| CA\_n77A-n79A-n257A-n259A | | CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n79A-n257A  CA\_n79A-n259A | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n77A-n79A-n257A-n259G | | CA\_n259G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n77A-n79A-n257A-n259H | | CA\_n259G  CA\_n259H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n77A-n79A-n257A-n259I | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n77A-n79A-n257A-n259J | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n77A-n79A-n257A-n259K | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n77A-n79A-n257A-n259L | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n77A-n79A-n257A-n259M | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n77A-n259M  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n77A-n79A-n257G-n259A | | CA\_n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n77A-n79A-n257G-n259G | | CA\_n257G  CA\_n259G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n77A-n79A-n257G-n259H | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n77A-n79A-n257G-n259I | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n77A-n79A-n257G-n259J | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n77A-n79A-n257G-n259K | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n77A-n79A-n257G-n259L | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n77A-n79A-n257G-n259M | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n77A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n77A-n79A-n257H-n259A | | CA\_n257G  CA\_n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n77A-n79A-n257H-n259G | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n77A-n79A-n257H-n259H | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n77A-n79A-n257H-n259I | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n77A-n79A-n257H-n259J | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n77A-n79A-n257H-n259K | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n77A-n79A-n257H-n259L | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n77A-n79A-n257H-n259M | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n77A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n77A-n79A-n257I-n259A | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n77A-n79A-n257I-n259G | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n77A-n79A-n257I-n259H | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n77A-n79A-n257I-n259I | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n77A-n79A-n257I-n259J | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n77A-n79A-n257I-n259K | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n77A-n79A-n257I-n259L | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n77A-n79A-n257I-n259M | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n77A-n259A  CA\_n77A-n259G  CA\_n77A-n259H  CA\_n77A-n259I  CA\_n77A-n259J  CA\_n77A-n259K  CA\_n77A-n259L  CA\_n77A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n78A-n79A-n257A-n259A | | CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n79A-n257A  CA\_n79A-n259A | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n78A-n79A-n257A-n259G | | CA\_n259G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n78A-n79A-n257A-n259H | | CA\_n259G  CA\_n259H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n78A-n79A-n257A-n259I | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n78A-n79A-n257A-n259J | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n78A-n79A-n257A-n259K | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n78A-n79A-n257A-n259L | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n78A-n79A-n257A-n259M | | CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n78A-n259M  CA\_n79A-n257A  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | 50, 100, 200, 400 |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n78A-n79A-n257G-n259A | | CA\_n257G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n78A-n79A-n257G-n259G | | CA\_n257G  CA\_n259G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n78A-n79A-n257G-n259H | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n78A-n79A-n257G-n259I | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n78A-n79A-n257G-n259J | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n78A-n79A-n257G-n259K | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n78A-n79A-n257G-n259L | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n78A-n79A-n257G-n259M | | CA\_n257G  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n78A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257G |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n78A-n79A-n257H-n259A | | CA\_n257G  CA\_n257H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n78A-n79A-n257H-n259G | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n78A-n79A-n257H-n259H | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n78A-n79A-n257H-n259I | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n78A-n79A-n257H-n259J | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n78A-n79A-n257H-n259K | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n78A-n79A-n257H-n259L | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n78A-n79A-n257H-n259M | | CA\_n257G  CA\_n257H  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n78A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257H |  |
|  | |  | n259 | CA\_n259M |  |
| CA\_n78A-n79A-n257I-n259A | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | 50, 100, 200, 400 |  |
| CA\_n78A-n79A-n257I-n259G | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259G |  |
| CA\_n78A-n79A-n257I-n259H | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259H |  |
| CA\_n78A-n79A-n257I-n259I | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259I |  |
| CA\_n78A-n79A-n257I-n259J | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259J |  |
| CA\_n78A-n79A-n257I-n259K | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259K |  |
| CA\_n78A-n79A-n257I-n259L | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259L |  |
| CA\_n78A-n79A-n257I-n259M | | CA\_n257G  CA\_n257H  CA\_n257I  CA\_n259G  CA\_n259H  CA\_n259I  CA\_n259J  CA\_n259K  CA\_n259L  CA\_n259M  CA\_n78A-n79A  CA\_n78A-n257A  CA\_n78A-n257G  CA\_n78A-n257H  CA\_n78A-n257I  CA\_n78A-n259A  CA\_n78A-n259G  CA\_n78A-n259H  CA\_n78A-n259I  CA\_n78A-n259J  CA\_n78A-n259K  CA\_n78A-n259L  CA\_n78A-n259M  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I  CA\_n79A-n259A  CA\_n79A-n259G  CA\_n79A-n259H  CA\_n79A-n259I  CA\_n79A-n259J  CA\_n79A-n259K  CA\_n79A-n259L  CA\_n79A-n259M | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | |  | n79 | 40, 50, 60, 80, 100 |  |
|  | |  | n257 | CA\_n257I |  |
|  | |  | n259 | CA\_n259M |  |
|  |  | |  |  |  |
| 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.  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. | | | | | |

Table 5.5A.1-4: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (five bands)

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | | Bandwidth combination set |
| --- | --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n8A-n77A-n257A | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n1A-n3A-n8A-n77A-n257G | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n1A-n3A-n8A-n77A-n257H | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n1A-n3A-n8A-n77A-n257I | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n1A-n3A-n8A-n77A-n257J | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257J | |  |
| CA\_n1A-n3A-n8A-n77A-n257K | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257K | |  |
| CA\_n1A-n3A-n8A-n77A-n257L | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257L | |  |
| CA\_n1A-n3A-n8A-n77A-n257M | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | |  |
|  |  | n257 | CA\_n257M | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257A | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257G | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257H | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257I | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257J | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257J | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257K | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257K | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257L | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257L | |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257M | - | n1 | 5, 10, 15, 20 | | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 | |  |
|  |  | n8 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n257 | CA\_n257M | |  |
| CA\_n1A-n3A-n28A-n41A-n257A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n41A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n28A-n41A-n257G | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n257A  CA\_n41A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n28A-n41A-n257H | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n28A-n41A-n257I | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n41A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n3A-n28A-n77A-n257A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n77A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n28A-n77A-n257G | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n28A-n77A-n257H | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n28A-n77A-n257I | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n3A-n28A-n79A-n257A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n28A-n79A-n257G | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n28A-n79A-n257H | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n79A-n257G  CA\_n79A-n257A  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n28A-n79A-n257I | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n28A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n3A-n41A-n77A-n257A | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n41A-n77A-n257G | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n41A-n77A-n257H | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n41A-n77A-n257I | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n3A-n41A-n79A-n257A | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80,100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n41A-n79A-n257G | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80,100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n41A-n79A-n257H | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80,100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n41A-n79A-n257I | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80,100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n3A-n77A-n79A-n257A | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n3A-n77A-n79A-n257G | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n3A-n77A-n79A-n257H | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n3A-n77A-n79A-n257I | CA\_n1A-n3A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-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 | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  | | |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n28A-n41A-n77A-n257A | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n28A-n41A-n77A-n257G | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n28A-n41A-n77A-n257H | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n28A-n41A-n77A-n257I | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n28A-n41A-n79A-n257A | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n28A-n41A-n79A-n257G | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n28A-n41A-n79A-n257H | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n28A-n41A-n79A-n257I | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n28A-n77A-n79A-n257A | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n28A-n77A-n79A-n257G | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n28A-n77A-n79A-n257H | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n28A-n77A-n79A-n257I | CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n28 | 5, 10, 15, 20 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n1A-n41A-n77A-n79A-n257A | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n1A-n41A-n77A-n79A-n257G | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n1A-n41A-n77A-n79A-n257H | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n1A-n41A-n77A-n79A-n257I | CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n1A-n257A  CA\_n1A-n257G  CA\_n1A-n257H  CA\_n1A-n257I  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-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 | n1 | 5, 10, 15, 20 | 0 | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n79 | 40, 50, 60, 80, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
| CA\_n3A-n28A-n41A-n77A-n257A | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n77A-n257A | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 | | |
|  |  | n28 | 5, 10, 15, 20, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | 50, 100, 200, 400 |  | | |
| CA\_n3A-n28A-n41A-n77A-n257G | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n257A  CA\_n77A-n257G | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 | | |
|  |  | n28 | 5, 10, 15, 20, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257G |  | | |
| CA\_n3A-n28A-n41A-n77A-n257H | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 | | |
|  |  | n28 | 5, 10, 15, 20, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257H |  | | |
| CA\_n3A-n28A-n41A-n77A-n257I | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I | n3 | 5, 10, 15, 20, 25, 30, 40 | 0 | | |
|  |  | n28 | 5, 10, 15, 20, 30 |  | | |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  | | |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  | | |
|  |  | n257 | CA\_n257I |  | | |
|  |  |  |  | |  |
| CA\_n3A-n28A-n41A-n79A-n257A | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n79A-n257A | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80,100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n3A-n28A-n41A-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80,100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n3A-n28A-n41A-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80,100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n3A-n28A-n41A-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80,100 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n3A-n28A-n77A-n79A-n257A | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n3A-n28A-n77A-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n3A-n28A-n77A-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n3A-n28A-n77A-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257A | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-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 | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n28 | 5, 10, 15, 20 | |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | |  |
|  |  | n79 | 40, 50, 80, 100 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n3A-n41A-n77A-n79A-n257A | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n3A-n41A-n77A-n79A-n257G | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n3A-n41A-n77A-n79A-n257H | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n3A-n41A-n77A-n79A-n257I | CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n3A-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 | n3 | 5, 10, 15, 20, 25, 30 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | CA\_n257I | |  |
| CA\_n28A-n41A-n77A-n79A-n257A | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n79A-n257A | n28 | 5, 10, 15, 20 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | 50, 100, 200, 400 | |  |
| CA\_n28A-n41A-n77A-n79A-n257G | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n28 | 5, 10, 15, 20 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | CA\_n257G | |  |
| CA\_n28A-n41A-n77A-n79A-n257H | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n28 | 5, 10, 15, 20 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n79 | 40, 50, 60, 80, 100 | |  |
|  |  | n257 | CA\_n257H | |  |
| CA\_n28A-n41A-n77A-n79A-n257I | CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n41A-n257A  CA\_n41A-n257G  CA\_n41A-n257H  CA\_n41A-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 | n28 | 5, 10, 15, 20 | | 0 |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 | |  |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | |  |
|  |  | 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. | | | | | |

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#### 5.5B.7.3 Inter-band NR-DC configurations between FR1 and FR2 (four bands)

Table 5.5B.7-3: Inter-band NR-DC configurations between FR1 and FR2 (four bands)

| **Downlink NR DC**  **configuration** | **Uplink NR DC**  **configuration** |
| --- | --- |
| DC\_n1A-n77A-n79A-n257A  DC\_n1A-n77A-n79A-n257G  DC\_n1A-n77A-n79A-n257H  DC\_n1A-n77A-n79A-n257I | DC\_n1A-n257A  DC\_n1A-n257G  DC\_n1A-n257H  DC\_n1A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n1A-n78A-n79A-n257A  DC\_n1A-n78A-n79A-n257G  DC\_n1A-n78A-n79A-n257H  DC\_n1A-n78A-n79A-n257I | DC\_n1A-n257A  DC\_n1A-n257G  DC\_n1A-n257H  DC\_n1A-n257I  DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n2A-n5A-n48A-n260A  DC\_n2A-n5A-n48A-n260I  DC\_n2A-n5A-n48A-n260J  DC\_n2A-n5A-n48A-n260K  DC\_n2A-n5A-n48A-n260L  DC\_n2A-n5A-n48A-n260M | DC\_n2A\_n260A  DC\_n5A\_n260A  DC\_n48A\_n260A  DC\_n2A\_n260G  DC\_n5A\_n260G  DC\_n48A\_n260G  DC\_n2A\_n260H  DC\_n5A\_n260H  DC\_n48A\_n260H  DC\_n2A\_n260I  DC\_n5A\_n260I  DC\_n48A\_n260I |
| DC\_n2A-n5A-n48A-n261A  DC\_n2A-n5A-n48A-n261I  DC\_n2A-n5A-n48A-n261J  DC\_n2A-n5A-n48A-n261K  DC\_n2A-n5A-n48A-n261L  DC\_n2A-n5A-n48A-n261M  DC\_n2A-n5A-n48A-n261(G-H)  DC\_n2A-n5A-n48A-n261(2H)  DC\_n2A-n5A-n48A-n261(A-G-H)  DC\_n2A-n5A-n48A-n261(H-I)  DC\_n2A-n5A-n48A-n261(A-G-I) | DC\_n2A\_n261A DC\_n5A\_n261A DC\_n48A\_n261A DC\_n2A\_n261G DC\_n5A\_n261G DC\_n48A\_n261G DC\_n2A\_n261H DC\_n5A\_n261H DC\_n48A\_n261H DC\_n2A\_n261I DC\_n5A\_n261I DC\_n48A\_n261I |
| DC\_n2A-n5A-n66A-n260A  DC\_n2A-n5A-n66A-n260G  DC\_n2A-n5A-n66A-n260H  DC\_n2A-n5A-n66A-n260I  DC\_n2A-n5A-n66A-n260J  DC\_n2A-n5A-n66A-n260K  DC\_n2A-n5A-n66A-n260L  DC\_n2A-n5A-n66A-n260M | DC\_n2A-n260A  DC\_n2A-n260G  DC\_n2A-n260H  DC\_n2A-n260I  DC\_n5A-n260A  DC\_n5A-n260G  DC\_n5A-n260H  DC\_n5A-n260I  DC\_n66A-n260A  DC\_n66A-n260G  DC\_n66A-n260H  DC\_n66A-n260I |
| DC\_n2A-n5A-n66A-n261A  DC\_n2A-n5A-n66A-n261G  DC\_n2A-n5A-n66A-n261H  DC\_n2A-n5A-n66A-n261I  DC\_n2A-n5A-n66A-n261J  DC\_n2A-n5A-n66A-n261K  DC\_n2A-n5A-n66A-n261L  DC\_n2A-n5A-n66A-n261M  DC\_n2A-n5A-n66A-n261(2G)  DC\_n2A-n5A-n66A-n261(G-H)  DC\_n2A-n5A-n66A-n261(A-G-H)  DC\_n2A-n5A-n66A-n261(G-I)  DC\_n2A-n5A-n66A-n261(2H)  DC\_n2A-n5A-n66A-n261(A-G-I)  DC\_n2A-n5A-n66A-n261(H-I) | DC\_n2A-n261A  DC\_n2A-n261G  DC\_n2A-n261H  DC\_n2A-n261I  DC\_n5A-n261A  DC\_n5A-n261G  DC\_n5A-n261H  DC\_n5A-n261I  DC\_n66A-n261A  DC\_n66A-n261G  DC\_n66A-n261H  DC\_n66A-n261I |
| DC\_n2A-n5A-n77A-n260A  DC\_n2A-n5A-n77A-n260I  DC\_n2A-n5A-n77A-n260J  DC\_n2A-n5A-n77A-n260K  DC\_n2A-n5A-n77A-n260L  DC\_n2A-n5A-n77A-n260M | DC\_n2A\_n260A DC\_n5A\_n260A DC\_n77A\_n260A DC\_n2A\_n260G DC\_n5A\_n260G DC\_n77A\_n260G DC\_n2A\_n260H DC\_n5A\_n260H DC\_n77A\_n260H DC\_n2A\_n260I DC\_n5A\_n260I DC\_n77A\_n260I |
| DC\_n2A-n5A-n77A-n261A  DC\_n2A-n5A-n77A-n261I  DC\_n2A-n5A-n77A-n261J  DC\_n2A-n5A-n77A-n261K  DC\_n2A-n5A-n77A-n261L  DC\_n2A-n5A-n77A-n261M  DC\_n2A-n5A-n77A-n261(G-H)  DC\_n2A-n5A-n77A-n261(2H)  DC\_n2A-n5A-n77A-n261(A-G-H)  DC\_n2A-n5A-n77A-n261(H-I)  DC\_n2A-n5A-n77A-n261(A-G-I) | DC\_n2A\_n261A DC\_n5A\_n261A DC\_n77A\_n261A DC\_n2A\_n261G DC\_n5A\_n261G DC\_n77A\_n261G DC\_n2A\_n261H DC\_n5A\_n261H DC\_n77A\_n261H DC\_n2A\_n261I DC\_n5A\_n261I DC\_n77A\_n261I |
| DC\_n2A-n48A-n66A-n260A  DC\_n2A-n48A-n66A-n260I  DC\_n2A-n48A-n66A-n260J  DC\_n2A-n48A-n66A-n260K  DC\_n2A-n48A-n66A-n260L  DC\_n2A-n48A-n66A-n260M | DC\_n2A\_n260A  DC\_n66A\_n260A  DC\_n48A\_n260A  DC\_n2A\_n260G  DC\_n66A\_n260G  DC\_n48A\_n260G  DC\_n2A\_n260H  DC\_n66A\_n260H  DC\_n48A\_n260H  DC\_n2A\_n260I  DC\_n66A\_n260I  DC\_n48A\_n260I |
| DC\_n2A-n48A-n66A-n261A  DC\_n2A-n48A-n66A-n261I  DC\_n2A-n48A-n66A-n261J  DC\_n2A-n48A-n66A-n261K  DC\_n2A-n48A-n66A-n261L  DC\_n2A-n48A-n66A-n261M  DC\_n2A-n48A-n66A-n261(G-H)  DC\_n2A-n48A-n66A-n261(2H)  DC\_n2A-n48A-n66A-n261(A-G-H)  DC\_n2A-n48A-n66A-n261(H-I)  DC\_n2A-n48A-n66A-n261(A-G-I) | DC\_n2A\_n261A DC\_n66A\_n261A DC\_n48A\_n261A DC\_n2A\_n261G DC\_n66A\_n261G DC\_n48A\_n261G DC\_n2A\_n261H DC\_n66A\_n261H DC\_n48A\_n261H DC\_n2A\_n261I DC\_n66A\_n261I DC\_n48A\_n261I |
| DC\_n2A-n66A-n77A-n260A  DC\_n2A-n66A-n77A-n260I  DC\_n2A-n66A-n77A-n260J  DC\_n2A-n66A-n77A-n260K  DC\_n2A-n66A-n77A-n260L  DC\_n2A-n66A-n77A-n260M | CA\_n2A\_n260A  CA\_n66A\_n260A  CA\_n77A\_n260A  CA\_n2A\_n260G  CA\_n66A\_n260G  CA\_n77A\_n260G  CA\_n2A\_n260H  CA\_n66A\_n260H  CA\_n77A\_n260H  CA\_n2A\_n260I  CA\_n66A\_n260I  CA\_n77A\_n260I |
| DC\_n2A-n66A-n77A-n261A  DC\_n2A-n66A-n77A-n261I  DC\_n2A-n66A-n77A-n261J  DC\_n2A-n66A-n77A-n261K  DC\_n2A-n66A-n77A-n261L  DC\_n2A-n66A-n77A-n261M  DC\_n2A-n66A-n77A-n261(G-H)  DC\_n2A-n66A-n77A-n261(2H)  DC\_n2A-n66A-n77A-n261(A-G-H)  DC\_n2A-n66A-n77A-n261(H-I)  DC\_n2A-n66A-n77A-n261(A-G-I) | DC\_n2A\_n261A  DC\_n66A\_n261A  DC\_n77A\_n261A  DC\_n2A\_n261G  DC\_n66A\_n261G  DC\_n77A\_n261G  DC\_n2A\_n261H  DC\_n66A\_n261H  DC\_n77A\_n261H  DC\_n2A\_n261I  DC\_n66A\_n261I  DC\_n77A\_n261I |
| DC\_n3A-n7A-n78A-n258A  DC\_n3A-n7A-n78A-n258B  DC\_n3A-n7A-n78A-n258C  DC\_n3A-n7A-n78A-n258D  DC\_n3A-n7A-n78A-n258E  DC\_n3A-n7A-n78A-n258F  DC\_n3A-n7A-n78A-n258G  DC\_n3A-n7A-n78A-n258H  DC\_n3A-n7A-n78A-n258I  DC\_n3A-n7A-n78A-n258J  DC\_n3A-n7A-n78A-n258K  DC\_n3A-n7A-n78A-n258L  DC\_n3A-n7A-n78A-n258M | DC\_n3A-n7A  DC\_n3A-n78A  DC\_n7A-n78A  DC\_n3A-n258A  DC\_n3A-n258G  DC\_n3A-n258H  DC\_n3A-n258I  DC\_n7A-n258A  DC\_n7A-n258G  DC\_n7A-n258H  DC\_n7A-n258I  DC\_n78A-n258A  DC\_n78A-n258G  DC\_n78A-n258H  DC\_n78A-n258I |
| DC\_n3A-n7B-n78A-n258A  DC\_n3A-n7B-n78A-n258B  DC\_n3A-n7B-n78A-n258C  DC\_n3A-n7B-n78A-n258D  DC\_n3A-n7B-n78A-n258E  DC\_n3A-n7B-n78A-n258F  DC\_n3A-n7B-n78A-n258G  DC\_n3A-n7B-n78A-n258H  DC\_n3A-n7B-n78A-n258I  DC\_n3A-n7B-n78A-n258J  DC\_n3A-n7B-n78A-n258K  DC\_n3A-n7B-n78A-n258L  DC\_n3A-n7B-n78A-n258M | DC\_n3A-n7A  DC\_n3A-n78A  DC\_n7A-n78A  DC\_n3A-n258A  DC\_n3A-n258G  DC\_n3A-n258H  DC\_n3A-n258I  DC\_n7A-n258A  DC\_n7A-n258G  DC\_n7A-n258H  DC\_n7A-n258I  DC\_n78A-n258A  DC\_n78A-n258G  DC\_n78A-n258H  DC\_n78A-n258I |
| DC\_n3A-n28A-n77A-n257A | DC\_n3A-n28A DC\_n3A-n77A  DC\_n3A-n257A  DC\_n28A-n77A  DC\_n28A-n257A  DC\_n77A-n257A |
| DC\_n3A-n28A-n77A-n257G | DC\_n3A-n28A DC\_n3A-n77A  DC\_n3A-n257A  DC\_n28A-n77A  DC\_n28A-n257A  DC\_n77A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n77A-n257G |
| DC\_n3A-n28A-n77A-n257H | DC\_n3A-n28A DC\_n3A-n77A  DC\_n3A-n257A  DC\_n28A-n77A  DC\_n28A-n257A  DC\_n77A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n77A-n257G  DC\_n3A-n257H  DC\_n28A-n257H  DC\_n77A-n257H |
| DC\_n3A-n28A-n77A-n257I | DC\_n3A-n28A  DC\_n3A-n77A  DC\_n3A-n257A  DC\_n28A-n77A  DC\_n28A-n257A  DC\_n77A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n77A-n257G  DC\_n3A-n257H  DC\_n28A-n257H  DC\_n77A-n257H  DC\_n3A-n257I  DC\_n28A-n257I  DC\_n77A-n257I |
| DC\_n3A-n28A-n77(2A)-n257A  DC\_n3A-n28A-n77(2A)-n257G  DC\_n3A-n28A-n77(2A)-n257H  DC\_n3A-n28A-n77(2A)-n257I | DC\_n3A-n28A DC\_n3A-n77A  DC\_n3A-n257A  DC\_n28A-n77A  DC\_n28A-n257A  DC\_n77A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n77A-n257G  DC\_n3A-n257H  DC\_n28A-n257H  DC\_n77A-n257H  DC\_n3A-n257I  DC\_n28A-n257I  DC\_n77A-n257I |
| DC\_n3A-n28A-n78A-n257A | DC\_n3A-n257A  DC\_n28A-n257A  DC\_n78A-n257A |
| DC\_n3A-n28A-n78A-n257G | DC\_n3A-n257A  DC\_n28A-n257A  DC\_n78A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n78A-n257G |
| DC\_n3A-n28A-n78A-n257H | DC\_n3A-n257A  DC\_n28A-n257A  DC\_n78A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n78A-n257G  DC\_n3A-n257H  DC\_n28A-n257H  DC\_n78A-n257H |
| DC\_n3A-n28A-n78A-n257I | DC\_n3A-n257A  DC\_n28A-n257A  DC\_n78A-n257A  DC\_n3A-n257G  DC\_n28A-n257G  DC\_n78A-n257G  DC\_n3A-n257H  DC\_n28A-n257H  DC\_n78A-n257H  DC\_n3A-n257I  DC\_n28A-n257I  DC\_n78A-n257I |
| DC\_n3A-n28A-n79A-n257A  DC\_n3A-n28A-n79A-n257G  DC\_n3A-n28A-n79A-n257H  DC\_n3A-n28A-n79A-n257I | DC\_n3A-n28A  DC\_n3A-n79A  DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n28A-n79A  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n3A-n77A-n79A-n257A  DC\_n3A-n77A-n79A-n257G  DC\_n3A-n77A-n79A-n257H  DC\_n3A-n77A-n79A-n257I | DC\_n3A-n257A  DC\_n77A-n257A  DC\_n79A-n257A  DC\_n3A-n257G  DC\_n77A-n257G  DC\_n79A-n257G  DC\_n3A-n257H  DC\_n77A-n257H  DC\_n79A-n257H  DC\_n3A-n257I  DC\_n77A-n257I  DC\_n79A-n257I |
| DC\_n3A-n77(2A)-n79A-n257A  DC\_n3A-n77(2A)-n79A-n257G  DC\_n3A-n77(2A)-n79A-n257H  DC\_n3A-n77(2A)-n79A-n257I | DC\_n3A-n257A  DC\_n77A-n257A  DC\_n79A-n257A  DC\_n3A-n257G  DC\_n77A-n257G  DC\_n79A-n257G  DC\_n3A-n257H  DC\_n77A-n257H  DC\_n79A-n257H  DC\_n3A-n257I  DC\_n77A-n257I  DC\_n79A-n257I |
| DC\_n5A-n48A-n66A-n260A  DC\_n5A-n48A-n66A-n260I  DC\_n5A-n48A-n66A-n260J  DC\_n5A-n48A-n66A-n260K  DC\_n5A-n48A-n66A-n260L  DC\_n5A-n48A-n66A-n260M | CA\_n5A\_n260A CA\_n66A\_n260A CA\_n48A\_n260A CA\_n5A\_n260G CA\_n66A\_n260G CA\_n48A\_n260G CA\_n5A\_n260H CA\_n66A\_n260H CA\_n48A\_n260H CA\_n5A\_n260I CA\_n66A\_n260I CA\_n48A\_n260I |
| DC\_n5A-n48A-n66A-n261A  DC\_n5A-n48A-n66A-n261I  DC\_n5A-n48A-n66A-n261J  DC\_n5A-n48A-n66A-n261K  DC\_n5A-n48A-n66A-n261L  DC\_n5A-n48A-n66A-n261M  DC\_n5A-n48A-n66A-n261(G-H)  DC\_n5A-n48A-n66A-n261(2H)  DC\_n5A-n48A-n66A-n261(A-G-H)  DC\_n5A-n48A-n66A-n261(H-I)  DC\_n5A-n48A-n66A-n261(A-G-I) | DC\_n5A\_n261A DC\_n66A\_n261A DC\_n48A\_n261A DC\_n5A\_n261G DC\_n66A\_n261G DC\_n48A\_n261G DC\_n5A\_n261H DC\_n66A\_n261H DC\_n48A\_n261H DC\_n5A\_n261I DC\_n66A\_n261I DC\_n48A\_n261I |
| DC\_n5A-n66A-n77A-n260A  DC\_n5A-n66A-n77A-n260I  DC\_n5A-n66A-n77A-n260J  DC\_n5A-n66A-n77A-n260K  DC\_n5A-n66A-n77A-n260L  DC\_n5A-n66A-n77A-n260M | CA\_n5A\_n260A CA\_n66A\_n260A CA\_n77A\_n260A CA\_n5A\_n260G CA\_n66A\_n260G CA\_n77A\_n260G CA\_n5A\_n260H CA\_n66A\_n260H CA\_n77A\_n260H CA\_n5A\_n260I CA\_n66A\_n260I CA\_n77A\_n260I |
| DC\_n5A-n66A-n77A-n261A  DC\_n5A-n66A-n77A-n261I  DC\_n5A-n66A-n77A-n261J  DC\_n5A-n66A-n77A-n261K  DC\_n5A-n66A-n77A-n261L  DC\_n5A-n66A-n77A-n261M  DC\_n5A-n66A-n77A-n261(G-H)  DC\_n5A-n66A-n77A-n261(2H)  DC\_n5A-n66A-n77A-n261(A-G-H)  DC\_n5A-n66A-n77A-n261(H-I)  DC\_n5A-n66A-n77A-n261(A-G-I) | DC\_n5A\_n261A DC\_n66A\_n261A DC\_n77A\_n261A DC\_n5A\_n261G DC\_n66A\_n261G DC\_n77A\_n261G DC\_n5A\_n261H DC\_n66A\_n261H DC\_n77A\_n261H DC\_n5A\_n261I DC\_n66A\_n261I DC\_n77A\_n261I |
| DC\_n28A-n77A-n79A-n257A  DC\_n28A-n77A-n79A-n257G  DC\_n28A-n77A-n79A-n257H  DC\_n28A-n77A-n79A-n257I | DC\_n28A-n77A  DC\_n28A-n79A  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n77A-n79A  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n28A-n77(2A)-n79A-n257A  DC\_n28A-n77(2A)-n79A-n257G  DC\_n28A-n77(2A)-n79A-n257H  DC\_n28A-n77(2A)-n79A-n257I | DC\_n28A-n77A  DC\_n28A-n79A  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n77A-n79A  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n28A-n78A-n79A-n257A  DC\_n28A-n78A-n79A-n257G  DC\_n28A-n78A-n79A-n257H  DC\_n28A-n78A-n79A-n257I | DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n77A-n79A-n257A-n259A  DC\_n77A-n79A-n257A-n259G  DC\_n77A-n79A-n257A-n259H  DC\_n77A-n79A-n257A-n259I  DC\_n77A-n79A-n257A-n259J  DC\_n77A-n79A-n257A-n259K  DC\_n77A-n79A-n257A-n259L  DC\_n77A-n79A-n257A-n259M  DC\_n77A-n79A-n257G-n259A  DC\_n77A-n79A-n257G-n259G  DC\_n77A-n79A-n257G-n259H  DC\_n77A-n79A-n257G-n259I  DC\_n77A-n79A-n257G-n259J  DC\_n77A-n79A-n257G-n259K  DC\_n77A-n79A-n257G-n259L  DC\_n77A-n79A-n257G-n259M  DC\_n77A-n79A-n257H-n259A  DC\_n77A-n79A-n257H-n259G  DC\_n77A-n79A-n257H-n259H  DC\_n77A-n79A-n257H-n259I  DC\_n77A-n79A-n257H-n259J  DC\_n77A-n79A-n257H-n259K  DC\_n77A-n79A-n257H-n259L  DC\_n77A-n79A-n257H-n259M  DC\_n77A-n79A-n257I-n259A  DC\_n77A-n79A-n257I-n259G  DC\_n77A-n79A-n257I-n259H  DC\_n77A-n79A-n257I-n259I  DC\_n77A-n79A-n257I-n259J  DC\_n77A-n79A-n257I-n259K  DC\_n77A-n79A-n257I-n259L  DC\_n77A-n79A-n257I-n259M | DC\_n77A-n79A  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n259A  DC\_n77A-n259G  DC\_n77A-n259H  DC\_n77A-n259I  DC\_n77A-n259J  DC\_n77A-n259K  DC\_n77A-n259L  DC\_n77A-n259M  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I  DC\_n79A-n259A  DC\_n79A-n259G  DC\_n79A-n259H  DC\_n79A-n259I  DC\_n79A-n259J  DC\_n79A-n259K  DC\_n79A-n259L  DC\_n79A-n259M |

#### 5.5B.7.4 Inter-band NR-DC configurations between FR1 and FR2 (five bands)

Table 5.5B.7-4: Inter-band NR-DC configurations between FR1 and FR2 (five bands)

| **Downlink NR DC**  **configuration** | **Uplink NR DC**  **configuration** |
| --- | --- |
| DC\_n3A-n28A-n77A-n79A-n257A  DC\_n3A-n28A-n77A-n79A-n257G  DC\_n3A-n28A-n77A-n79A-n257H  DC\_n3A-n28A-n77A-n79A-n257I | DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |
| DC\_n3A-n28A-n77(2A)-n79A-n257A  DC\_n3A-n28A-n77(2A)-n79A-n257G  DC\_n3A-n28A-n77(2A)-n79A-n257H  DC\_n3A-n28A-n77(2A)-n79A-n257I | DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n79A-n257A  DC\_n79A-n257G  DC\_n79A-n257H  DC\_n79A-n257I |

---End of changes---