

26/11/2015 - 10:22:19

peptides generated from sequence-file :

E:\Multipep Spotter09CR-UK\Users\Caroline Hill\Ski 19 mutation.SEQ

Nr.	Pos.	Mol.Weight	Sequence Label
1	A 1	3800.5	F-Q-P-H-P-G-A-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
2	A 2	3885.6	F-Q-P-H-P-G-R-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
3	A 3	3843.5	F-Q-P-H-P-G-N-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
4	A 4	3844.5	F-Q-P-H-P-G-D-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
5	A 5	3832.5	F-Q-P-H-P-G-C-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
6	A 6	3857.5	F-Q-P-H-P-G-Q-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
7	A 7	3858.5	F-Q-P-H-P-G-E-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
8	A 8	3786.5	F-Q-P-H-P-G-G-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
9	A 9	3866.5	F-Q-P-H-P-G-H-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
10	A10	3842.6	F-Q-P-H-P-G-I-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
11	A11	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
12	A12	3857.6	F-Q-P-H-P-G-K-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
13	A13	3860.6	F-Q-P-H-P-G-M-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
14	A14	3876.6	F-Q-P-H-P-G-F-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
15	A15	3826.5	F-Q-P-H-P-G-P-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
16	A16	3816.5	F-Q-P-H-P-G-S-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
17	A17	3830.5	F-Q-P-H-P-G-T-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
18	A18	3915.6	F-Q-P-H-P-G-W-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
19	A19	3892.6	F-Q-P-H-P-G-Y-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
20	A20	3828.5	F-Q-P-H-P-G-V-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
21	B 1	3785.6	F-Q-P-H-P-G-L-A-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
22	B 2	3870.7	F-Q-P-H-P-G-L-R-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
23	B 3	3828.6	F-Q-P-H-P-G-L-N-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
24	B 4	3829.6	F-Q-P-H-P-G-L-D-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
25	B 5	3817.6	F-Q-P-H-P-G-L-C-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E

L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 26 B 6 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 27 B 7 3843.6 F-Q-P-H-P-G-L-E-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 28 B 8 3771.6 F-Q-P-H-P-G-L-G-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 29 B 9 3851.6 F-Q-P-H-P-G-L-H-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 30 B10 3827.7 F-Q-P-H-P-G-L-I-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 31 B11 3827.7 F-Q-P-H-P-G-L-L-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 32 B12 3842.7 F-Q-P-H-P-G-L-K-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 33 B13 3845.7 F-Q-P-H-P-G-L-M-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 34 B14 3861.7 F-Q-P-H-P-G-L-F-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 35 B15 3811.6 F-Q-P-H-P-G-L-P-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 36 B16 3801.6 F-Q-P-H-P-G-L-S-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 37 B17 3815.6 F-Q-P-H-P-G-L-T-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 38 B18 3900.7 F-Q-P-H-P-G-L-W-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 39 B19 3877.7 F-Q-P-H-P-G-L-Y-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 40 B20 3813.6 F-Q-P-H-P-G-L-V-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 41 C 1 3785.5 F-Q-P-H-P-G-L-Q-A-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 42 C 2 3870.6 F-Q-P-H-P-G-L-Q-R-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 43 C 3 3828.5 F-Q-P-H-P-G-L-Q-N-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 44 C 4 3829.5 F-Q-P-H-P-G-L-Q-D-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 45 C 5 3817.5 F-Q-P-H-P-G-L-Q-C-T-L-E-Q-F-H-L-S-S-M-S-S-
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 46 C 6 3842.5 F-Q-P-H-P-G-L-Q-Q-T-L-E-Q-F-H-L-S-S-M-S-S-
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 47 C 7 3843.5 F-Q-P-H-P-G-L-Q-E-T-L-E-Q-F-H-L-S-S-M-S-S-
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 48 C 8 3771.5 F-Q-P-H-P-G-L-Q-G-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 49 C 9 3851.5 F-Q-P-H-P-G-L-Q-H-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 50 C10 3827.6 F-Q-P-H-P-G-L-Q-I-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 51 C11 3827.6 F-Q-P-H-P-G-L-Q-L-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 52 C12 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

L-G-G-P-A-A-F-S-A-R-W-A-Q-E
53 C13 3845.6 F-Q-P-H-P-G-L-Q-M-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
54 C14 3861.6 F-Q-P-H-P-G-L-Q-F-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
55 C15 3811.5 F-Q-P-H-P-G-L-Q-P-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
56 C16 3801.5 F-Q-P-H-P-G-L-Q-S-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
57 C17 3815.5 F-Q-P-H-P-G-L-Q-T-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
58 C18 3900.6 F-Q-P-H-P-G-L-Q-W-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
59 C19 3877.6 F-Q-P-H-P-G-L-Q-Y-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
60 C20 3813.5 F-Q-P-H-P-G-L-Q-V-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
61 D 1 3812.6 F-Q-P-H-P-G-L-Q-K-A-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
62 D 2 3897.7 F-Q-P-H-P-G-L-Q-K-R-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
63 D 3 3855.6 F-Q-P-H-P-G-L-Q-K-N-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
64 D 4 3856.6 F-Q-P-H-P-G-L-Q-K-D-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
65 D 5 3844.6 F-Q-P-H-P-G-L-Q-K-C-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
66 D 6 3869.6 F-Q-P-H-P-G-L-Q-K-Q-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
67 D 7 3870.6 F-Q-P-H-P-G-L-Q-K-E-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
68 D 8 3798.6 F-Q-P-H-P-G-L-Q-K-G-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
69 D 9 3878.6 F-Q-P-H-P-G-L-Q-K-H-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
70 D10 3854.7 F-Q-P-H-P-G-L-Q-K-I-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
71 D11 3854.7 F-Q-P-H-P-G-L-Q-K-L-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
72 D12 3869.7 F-Q-P-H-P-G-L-Q-K-K-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
73 D13 3872.7 F-Q-P-H-P-G-L-Q-K-M-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
74 D14 3888.7 F-Q-P-H-P-G-L-Q-K-F-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
75 D15 3838.6 F-Q-P-H-P-G-L-Q-K-P-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
76 D16 3828.6 F-Q-P-H-P-G-L-Q-K-S-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
77 D17 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
78 D18 3927.7 F-Q-P-H-P-G-L-Q-K-W-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
79 D19 3904.7 F-Q-P-H-P-G-L-Q-K-Y-L-E-Q-F-H-L-S-S-M-S-S-

L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 80 D20 3840.6 F-Q-P-H-P-G-L-Q-K-V-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 81 E 1 3800.5 F-Q-P-H-P-G-L-Q-K-T-A-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 82 E 2 3885.6 F-Q-P-H-P-G-L-Q-K-T-R-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 83 E 3 3843.5 F-Q-P-H-P-G-L-Q-K-T-N-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 84 E 4 3844.5 F-Q-P-H-P-G-L-Q-K-T-D-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 85 E 5 3832.5 F-Q-P-H-P-G-L-Q-K-T-C-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 86 E 6 3857.5 F-Q-P-H-P-G-L-Q-K-T-Q-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 87 E 7 3858.5 F-Q-P-H-P-G-L-Q-K-T-E-E-Q-F-H-L-S-S-M-S-S-
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 88 E 8 3786.5 F-Q-P-H-P-G-L-Q-K-T-G-E-Q-F-H-L-S-S-M-S-S-
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 89 E 9 3866.5 F-Q-P-H-P-G-L-Q-K-T-H-E-Q-F-H-L-S-S-M-S-S-
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 90 E10 3842.6 F-Q-P-H-P-G-L-Q-K-T-I-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 91 E11 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 92 E12 3857.6 F-Q-P-H-P-G-L-Q-K-T-K-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 93 E13 3860.6 F-Q-P-H-P-G-L-Q-K-T-M-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 94 E14 3876.6 F-Q-P-H-P-G-L-Q-K-T-F-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 95 E15 3826.5 F-Q-P-H-P-G-L-Q-K-T-P-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 96 E16 3816.5 F-Q-P-H-P-G-L-Q-K-T-S-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 97 E17 3830.5 F-Q-P-H-P-G-L-Q-K-T-T-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 98 E18 3915.6 F-Q-P-H-P-G-L-Q-K-T-W-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 99 E19 3892.6 F-Q-P-H-P-G-L-Q-K-T-Y-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 100 E20 3828.5 F-Q-P-H-P-G-L-Q-K-T-V-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 101 F 1 3784.6 F-Q-P-H-P-G-L-Q-K-T-L-A-Q-F-H-L-S-S-M-S-S-
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141 H 1 3766.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-A-H-L-S-S-M-S-S-
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142 H 2 3851.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-R-H-L-S-S-M-S-S-
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143 H 3 3809.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-N-H-L-S-S-M-S-S-
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144 H 4 3810.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-D-H-L-S-S-M-S-S-
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159 H19 3858.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-Y-H-L-S-S-M-S-S-
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L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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162 I 2 3861.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-R-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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L-G-G-P-A-A-F-S-A-R-W-A-Q-E
164 I 4 3820.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-D-L-S-S-M-S-S-
L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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182 J 2 3885.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-R-S-S-M-S-S-
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187 J 7 3858.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-E-S-S-M-S-S-

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258 M18 3897.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-W-S-S-
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304 P 4 3844.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
D-G-G-P-A-A-F-S-A-R-W-A-Q-E
305 P 5 3832.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
C-G-G-P-A-A-F-S-A-R-W-A-Q-E
306 P 6 3857.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
Q-G-G-P-A-A-F-S-A-R-W-A-Q-E
307 P 7 3858.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
E-G-G-P-A-A-F-S-A-R-W-A-Q-E
308 P 8 3786.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
G-G-G-P-A-A-F-S-A-R-W-A-Q-E
309 P 9 3866.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
H-G-G-P-A-A-F-S-A-R-W-A-Q-E
310 P10 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
I-G-G-P-A-A-F-S-A-R-W-A-Q-E
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M-G-G-P-A-A-F-S-A-R-W-A-Q-E
314 P14 3876.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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P-G-G-P-A-A-F-S-A-R-W-A-Q-E
316 P16 3816.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
S-G-G-P-A-A-F-S-A-R-W-A-Q-E
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T-G-G-P-A-A-F-S-A-R-W-A-Q-E
318 P18 3915.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
W-G-G-P-A-A-F-S-A-R-W-A-Q-E
319 P19 3892.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
Y-G-G-P-A-A-F-S-A-R-W-A-Q-E
320 P20 3828.5 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
V-G-G-P-A-A-F-S-A-R-W-A-Q-E
321 Q 1 3856.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-A-G-P-A-A-F-S-A-R-W-A-Q-E
322 Q 2 3941.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

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323 Q 3 3899.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-N-G-P-A-A-F-S-A-R-W-A-Q-E
324 Q 4 3900.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-D-G-P-A-A-F-S-A-R-W-A-Q-E
325 Q 5 3888.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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326 Q 6 3913.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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327 Q 7 3914.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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328 Q 8 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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329 Q 9 3922.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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330 Q10 3898.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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334 Q14 3932.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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335 Q15 3882.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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338 Q18 3971.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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339 Q19 3948.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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340 Q20 3884.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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341 R 1 3856.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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342 R 2 3941.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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343 R 3 3899.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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344 R 4 3900.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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346 R 6 3913.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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347 R 7 3914.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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348 R 8 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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349 R 9 3922.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

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 350 R10 3898.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 354 R14 3932.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 355 R15 3882.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 357 R17 3886.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 358 R18 3971.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 359 R19 3948.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 360 R20 3884.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 361 S 1 3816.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 365 S 5 3848.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 L-G-G-E-A-A-F-S-A-R-W-A-Q-E
 368 S 8 3802.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-G-A-A-F-S-A-R-W-A-Q-E
 369 S 9 3882.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 370 S10 3858.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-I-A-A-F-S-A-R-W-A-Q-E
 371 S11 3858.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-L-A-A-F-S-A-R-W-A-Q-E
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 373 S13 3876.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 374 S14 3892.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-F-A-A-F-S-A-R-W-A-Q-E
 375 S15 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 376 S16 3832.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

L-G-G-S-A-A-F-S-A-R-W-A-Q-E			
377	S17	3846.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-T-A-A-F-S-A-R-W-A-Q-E			
378	S18	3931.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-W-A-A-F-S-A-R-W-A-Q-E			
379	S19	3908.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-Y-A-A-F-S-A-R-W-A-Q-E			
380	S20	3844.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-G-G-V-A-A-F-S-A-R-W-A-Q-E			
381	T 1	0	
382	T 2	0	
383	T 3	0	
384	T 4	0	
385	T 5	0	
386	T 6	0	
387	T 7	0	
388	T 8	0	
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405	U 5	0
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409	U 9	0
410	U10	0
411	U11	0
412	U12	0
413	U13	0
414	U14	0
415	U15	0
416	U16	0
417	U17	0
418	U18	0
419	U19	0
420	U20	0

421	V 1	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
422	V 2	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
423	V 3	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
424	V 4	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
425	V 5	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E

426	V 6	0
427	V 7	0

428	V 8	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
429	V 9	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
430	V10	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 431 V11 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 432 V12 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 433 V13 0

 434 V14 0

 435 V15 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 436 V16 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 438 V18 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 439 V19 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 440 V20 0

 441 W 1 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 442 W 2 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 443 W 3 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 444 W 4 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 447 W 7 0

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 454 W14 0

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 487 Y 7 0

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T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

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T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

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F-S-A-R-W-A-Q-E-A-Y-K-K-E-S
593 ^13 0

594 ^14 0

595 ^15 3516.3 T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-
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S-G-G-P-A-A-F-S-A-R-W-A-Q-E
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Y-G-G-P-A-A-F-S-A-R-W-A-Q-E
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L-D-G-P-A-A-F-S-A-R-W-A-Q-E
925 Q 5 3888.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
L-C-G-P-A-A-F-S-A-R-W-A-Q-E
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L-Q-G-P-A-A-F-S-A-R-W-A-Q-E
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930 Q10 3898.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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937 Q17 3886.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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L-Y-G-P-A-A-F-S-A-R-W-A-Q-E
940 Q20 3884.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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941 R 1 3856.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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L-G-N-P-A-A-F-S-A-R-W-A-Q-E
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 948 R 8 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 L-G-H-P-A-A-F-S-A-R-W-A-Q-E
 950 R10 3898.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-I-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-W-P-A-A-F-S-A-R-W-A-Q-E
 959 R19 3948.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-Y-P-A-A-F-S-A-R-W-A-Q-E
 960 R20 3884.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-V-P-A-A-F-S-A-R-W-A-Q-E
 961 S 1 3816.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 L-G-G-R-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-N-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-D-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-C-A-A-F-S-A-R-W-A-Q-E
 966 S 6 3873.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-Q-A-A-F-S-A-R-W-A-Q-E
 967 S 7 3874.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-E-A-A-F-S-A-R-W-A-Q-E
 968 S 8 3802.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-G-A-A-F-S-A-R-W-A-Q-E
 969 S 9 3882.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-H-A-A-F-S-A-R-W-A-Q-E
 970 S10 3858.7 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-

			L-G-G-I-A-A-F-S-A-R-W-A-Q-E
971	S11	3858.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-L-A-A-F-S-A-R-W-A-Q-E
972	S12	3873.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-K-A-A-F-S-A-R-W-A-Q-E
973	S13	3876.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-M-A-A-F-S-A-R-W-A-Q-E
974	S14	3892.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-F-A-A-F-S-A-R-W-A-Q-E
975	S15	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
976	S16	3832.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-S-A-A-F-S-A-R-W-A-Q-E
977	S17	3846.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-T-A-A-F-S-A-R-W-A-Q-E
978	S18	3931.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-W-A-A-F-S-A-R-W-A-Q-E
979	S19	3908.7	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-Y-A-A-F-S-A-R-W-A-Q-E
980	S20	3844.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-V-A-A-F-S-A-R-W-A-Q-E
981	T 1	0	
982	T 2	0	
983	T 3	0	
984	T 4	0	
985	T 5	0	
986	T 6	0	
987	T 7	0	
988	T 8	0	
989	T 9	0	
990	T10	0	
991	T11	0	
992	T12	0	
993	T13	0	
994	T14	0	
995	T15	0	
996	T16	0	
997	T17	0	

998	T18	0
999	T19	0
1000	T20	0
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1002	U 2	0
1003	U 3	0
1004	U 4	0
1005	U 5	0
1006	U 6	0
1007	U 7	0
1008	U 8	0
1009	U 9	0
1010	U10	0
1011	U11	0
1012	U12	0
1013	U13	0
1014	U14	0
1015	U15	0
1016	U16	0
1017	U17	0
1018	U18	0
1019	U19	0
1020	U20	0

1021	V 1	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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1022	V 2	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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1023	V 3	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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1024	V 4	3842.6	F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1025 V 5 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1026 V 6 0

 1027 V 7 0

 1028 V 8 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1029 V 9 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1033 V13 0

 1034 V14 0

 1035 V15 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1036 V16 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1039 V19 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
 1040 V20 0

 1041 W 1 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 1046 W 6 0

 1047 W 7 0

 1048 W 8 3842.6 F-Q-P-H-P-G-L-Q-K-T-L-E-Q-F-H-L-S-S-M-S-S-
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 1054 W14 0

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 1067 X 7 0

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 1074 X14 0

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 1087 Y 7 0

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 1094 Y14 0

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 L-G-G-P-A-A-F-S-A-R-W-A-Q-E
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 1102 Z 2 0

 1103 Z 3 0

 1104 Z 4 0

 1105 Z 5 0

T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-
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1147 \ 7 0

1148 \ 8 3516.3
F-S-A-R-W-A-Q-E-A-Y-K-K-E-S

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F-S-A-R-W-A-Q-E-A-Y-K-K-E-S

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1154 \14 0

1155 \15 3516.3
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1156 \16 3516.3
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1157 \17 3516.3
F-S-A-R-W-A-Q-E-A-Y-K-K-E-S

1158 \18 3516.3
F-S-A-R-W-A-Q-E-A-Y-K-K-E-S

1159 \19 3516.3

T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

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1186 ^ 6 0

T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

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1187 ^ 7 0

1188 ^ 8 3516.3
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1193 ^13 0

1194 ^14 0

1195 ^15 3516.3
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1196 ^16 3516.3
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1197 ^17 3516.3
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1198 ^18 3516.3
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1199 ^19 3516.3
F-S-A-R-W-A-Q-E-A-Y-K-K-E-S

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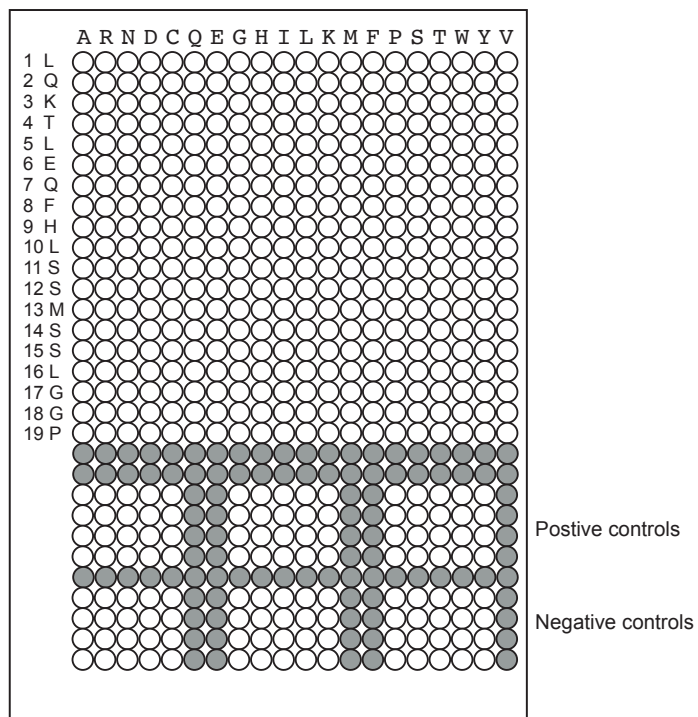
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T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

T-L-E-Q-F-H-L-S-S-M-S-S-L-G-G-P-A-A-

Array 1



Array 2

