

Supplementary Material

T cell memory revisited using single telomere length analysis

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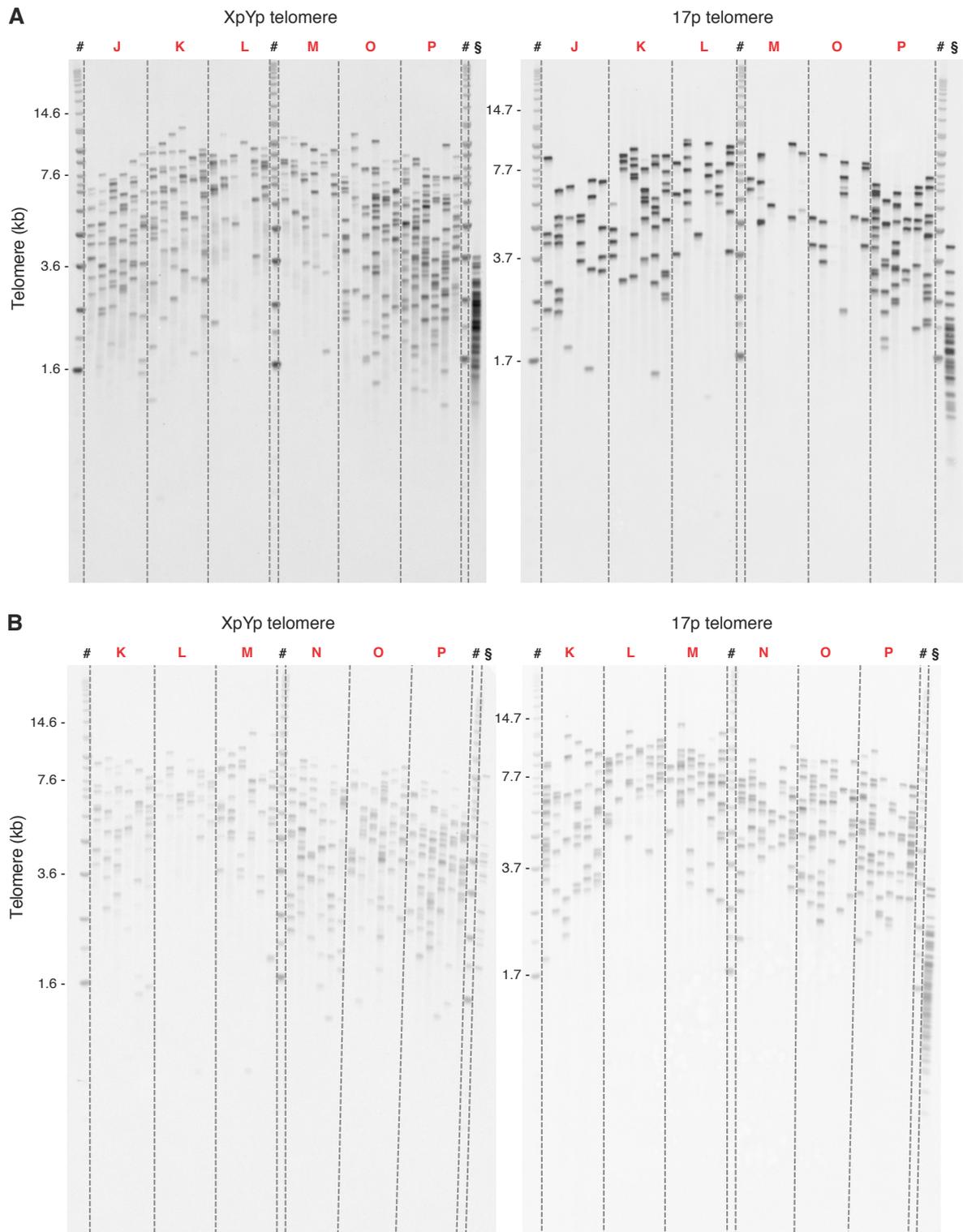
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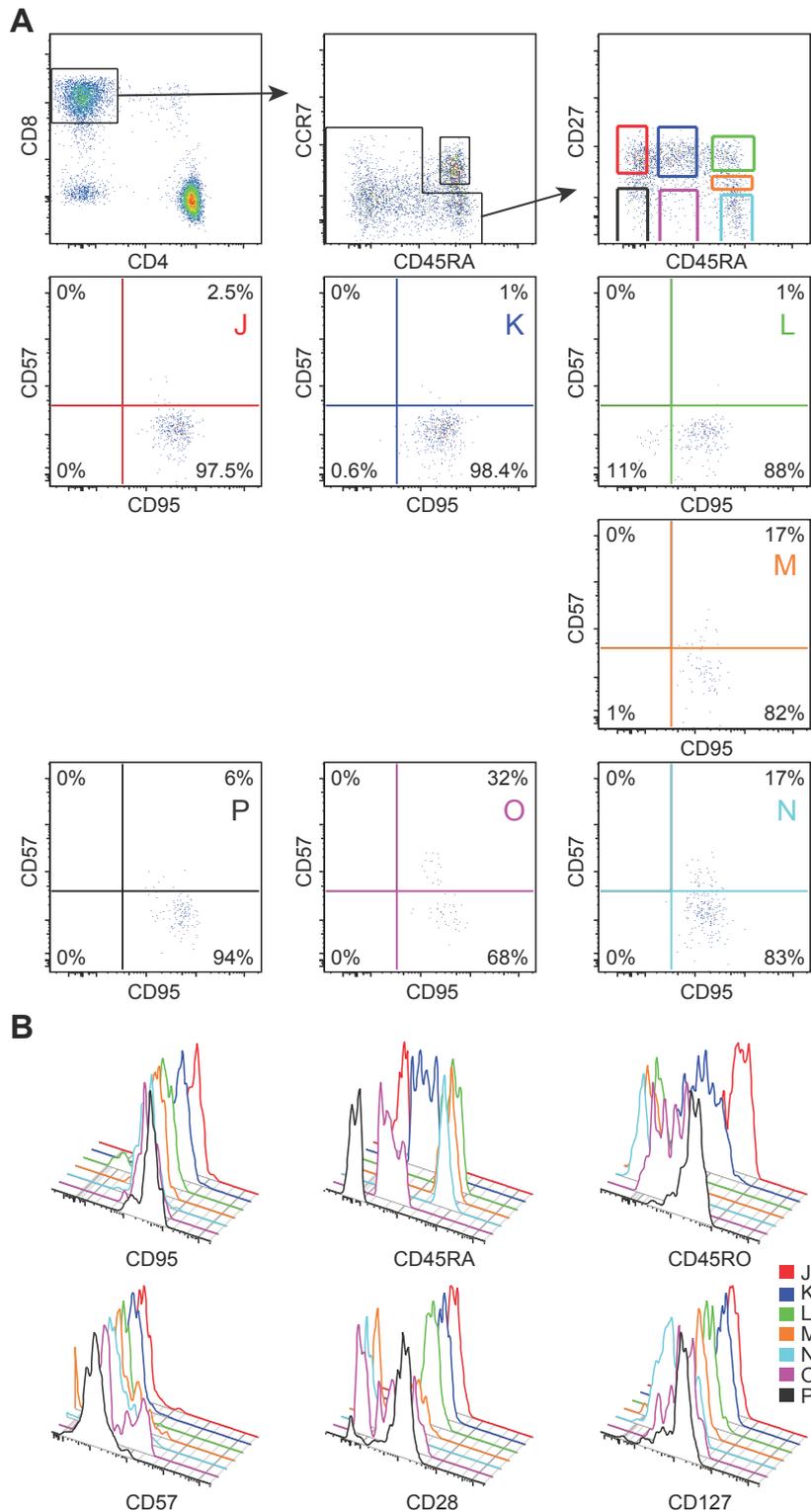
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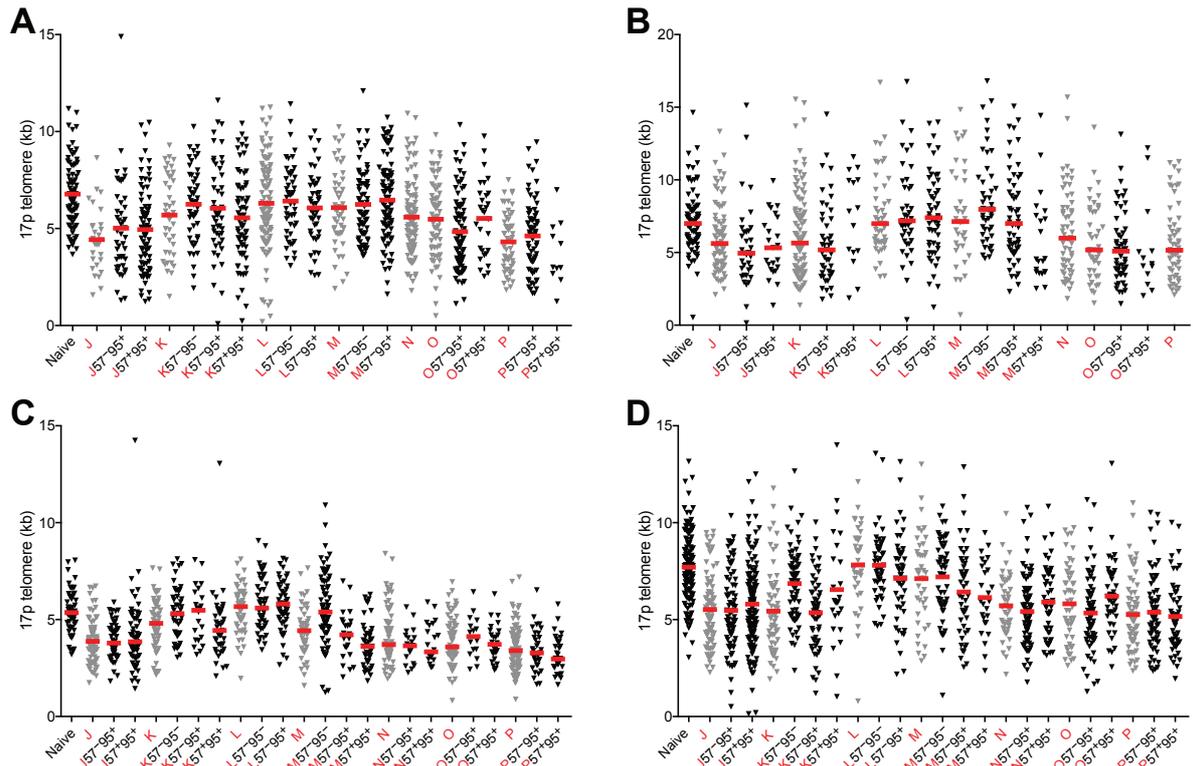
Keywords: replicative history, T cell differentiation, T cell memory, T cell senescence, telomere length (TL).



Supplementary Figure 1. Comparison of XpYp and 17p STELA. **(A, B)** Southern blots showing XpYp and 17p telomere length data for selected CD8⁺ memory T cell subsets from donor 1 **(A)** and donor 5 **(B)**. #, DNA ladder; §, fibroblasts (control).



Supplementary Figure 2. Expression patterns of CD28, CD45RA, CD45RO, CD57, CD95, and CD127 among parental memory CD8⁺ T cell subsets flow-sorted for STELA. **(A)** Flow cytometric gating strategy for the isolation of subsets defined among populations J–P according to the expression of CD57 and CD95. **(B)** Histogram overlays showing the expression patterns of CD28, CD45RA, CD45RO, CD57, CD95, and CD127 among populations J–P. Data from donor 4.



Supplementary Figure 3. Individual telomere length distribution patterns among CD8⁺ memory T cell subsets stratified according to the expression of CD57 and CD95. (**A–D**) Scatter plots depicting 17p telomere length distributions from donors 1 (**A**), 3 (**B**), 4 (**C**), and 5 (**D**). Horizontal red lines indicate median values. Statistical comparisons across all sorted CD8⁺ memory T cell subsets are shown in Supplementary Table 1. Donors 4 and 5 were known to be seropositive for CMV.

SUPPLEMENTARY TABLE

Supplementary Table 1. Telomere length data analyzed across all sorted CD8⁺ memory T cell subsets using Dunn's *post-hoc* test for multiple comparisons.

T cell subsets	Mean rank difference	Adjusted p value
Donor 1		
Naive vs. J	425.6	<0.0001
Naive vs. J57 ⁻ 95 ⁺	332.4	0.0003
Naive vs. J57 ⁺ 95 ⁺	330.9	<0.0001
Naive vs. K	189.7	>0.9999
Naive vs. K57 ⁻ 95 ⁻	86.07	>0.9999
Naive vs. K57 ⁻ 95 ⁺	141.2	>0.9999
Naive vs. K57 ⁺ 95 ⁺	217.2	0.0630
Naive vs. L	82.98	>0.9999
Naive vs. L57 ⁻ 95 ⁻	68.21	>0.9999
Naive vs. L57 ⁻ 95 ⁺	123.1	>0.9999
Naive vs. M	128.5	>0.9999
Naive vs. M57 ⁻ 95 ⁻	103	>0.9999
Naive vs. M57 ⁻ 95 ⁺	62.14	>0.9999
Naive vs. N	223.2	0.0124
Naive vs. O	222.8	0.0491
Naive vs. O57 ⁻ 95 ⁺	352.9	<0.0001
Naive vs. O57 ⁺ 95 ⁺	222	>0.9999
Naive vs. P	445.7	<0.0001
Naive vs. P57 ⁻ 95 ⁺	388.3	<0.0001
Naive vs. P57 ⁺ 95 ⁺	537.3	0.0012
J vs. J57 ⁻ 95 ⁺	-93.26	>0.9999
J vs. J57 ⁺ 95 ⁺	-94.7	>0.9999
J vs. K	-235.9	>0.9999
J vs. K57 ⁻ 95 ⁻	-339.6	0.0196
J vs. K57 ⁻ 95 ⁺	-284.5	0.2143
J vs. K57 ⁺ 95 ⁺	-208.4	>0.9999
J vs. L	-342.7	0.0025
J vs. L57 ⁻ 95 ⁻	-357.4	0.0094
J vs. L57 ⁻ 95 ⁺	-302.5	0.1348
J vs. M	-297.2	0.1447
J vs. M57 ⁻ 95 ⁻	-322.6	0.0193
J vs. M57 ⁻ 95 ⁺	-363.5	0.0010
J vs. N	-202.5	>0.9999
J vs. O	-202.8	>0.9999
J vs. O57 ⁻ 95 ⁺	-72.78	>0.9999
J vs. O57 ⁺ 95 ⁺	-203.6	>0.9999
J vs. P	20.08	>0.9999
J vs. P57 ⁻ 95 ⁺	-37.33	>0.9999
J vs. P57 ⁺ 95 ⁺	111.7	>0.9999
J57 ⁻ 95 ⁺ vs. J57 ⁺ 95 ⁺	-1.442	>0.9999
J57 ⁻ 95 ⁺ vs. K	-142.7	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁻	-246.3	0.2377
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁺	-191.2	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-115.1	>0.9999

J57 ⁻ 95 ⁺ vs. L	-249.4	0.0302
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-264.2	0.1145
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-209.2	>0.9999
J57 ⁻ 95 ⁺ vs. M	-203.9	>0.9999
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-229.4	0.2412
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-270.2	0.0118
J57 ⁻ 95 ⁺ vs. N	-109.2	>0.9999
J57 ⁻ 95 ⁺ vs. O	-109.5	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	20.48	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-110.4	>0.9999
J57 ⁻ 95 ⁺ vs. P	113.3	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	55.93	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	205	>0.9999
J57 ⁺ 95 ⁺ vs. K	-141.2	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁻	-244.9	0.0400
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁺	-189.8	0.7594
J57 ⁺ 95 ⁺ vs. K57 ⁺ 95 ⁺	-113.7	>0.9999
J57 ⁺ 95 ⁺ vs. L	-248	0.0008
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-262.7	0.0163
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-207.8	0.4628
J57 ⁺ 95 ⁺ vs. M	-202.5	0.4878
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-227.9	0.0280
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-268.8	0.0003
J57 ⁺ 95 ⁺ vs. N	-107.8	>0.9999
J57 ⁺ 95 ⁺ vs. O	-108.1	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	21.92	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-108.9	>0.9999
J57 ⁺ 95 ⁺ vs. P	114.8	>0.9999
J57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	57.38	>0.9999
J57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	206.4	>0.9999
K vs. K57 ⁻ 95 ⁻	-103.6	>0.9999
K vs. K57 ⁻ 95 ⁺	-48.54	>0.9999
K vs. K57 ⁺ 95 ⁺	27.53	>0.9999
K vs. L	-106.7	>0.9999
K vs. L57 ⁻ 95 ⁻	-121.5	>0.9999
K vs. L57 ⁻ 95 ⁺	-66.57	>0.9999
K vs. M	-61.23	>0.9999
K vs. M57 ⁻ 95 ⁻	-86.72	>0.9999
K vs. M57 ⁻ 95 ⁺	-127.6	>0.9999
K vs. N	33.46	>0.9999
K vs. O	33.12	>0.9999
K vs. O57 ⁻ 95 ⁺	163.1	>0.9999
K vs. O57 ⁺ 95 ⁺	32.32	>0.9999
K vs. P	256	0.1580
K vs. P57 ⁻ 95 ⁺	198.6	>0.9999
K vs. P57 ⁺ 95 ⁺	347.6	>0.9999
K57 ⁻ 95 ⁻ vs. K57 ⁻ 95 ⁺	55.09	>0.9999
K57 ⁻ 95 ⁻ vs. K57 ⁺ 95 ⁺	131.2	>0.9999
K57 ⁻ 95 ⁻ vs. L	-3.085	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁻	-17.86	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	37.06	>0.9999
K57 ⁻ 95 ⁻ vs. M	42.4	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	16.92	>0.9999

K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	-23.93	>0.9999
K57 ⁻ 95 ⁻ vs. N	137.1	>0.9999
K57 ⁻ 95 ⁻ vs. O	136.8	>0.9999
K57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	266.8	0.0093
K57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	136	>0.9999
K57 ⁻ 95 ⁻ vs. P	359.6	0.0001
K57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	302.2	0.0017
K57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	451.3	0.0489
K57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	76.08	>0.9999
K57 ⁻ 95 ⁺ vs. L	-58.18	>0.9999
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-72.95	>0.9999
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-18.03	>0.9999
K57 ⁻ 95 ⁺ vs. M	-12.69	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-38.17	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-79.02	>0.9999
K57 ⁻ 95 ⁺ vs. N	82.01	>0.9999
K57 ⁻ 95 ⁺ vs. O	81.67	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	211.7	0.2340
K57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	80.86	>0.9999
K57 ⁻ 95 ⁺ vs. P	304.6	0.0044
K57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	247.1	0.0514
K57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	396.2	0.2540
K57 ⁺ 95 ⁺ vs. L	-134.3	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-149	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-94.11	>0.9999
K57 ⁺ 95 ⁺ vs. M	-88.77	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-114.2	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-155.1	>0.9999
K57 ⁺ 95 ⁺ vs. N	5.931	>0.9999
K57 ⁺ 95 ⁺ vs. O	5.591	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	135.6	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	4.788	>0.9999
K57 ⁺ 95 ⁺ vs. P	228.5	0.1205
K57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	171.1	>0.9999
K57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	320.1	>0.9999
L vs. L57 ⁻ 95 ⁻	-14.77	>0.9999
L vs. L57 ⁻ 95 ⁺	40.15	>0.9999
L vs. M	45.49	>0.9999
L vs. M57 ⁻ 95 ⁻	20.01	>0.9999
L vs. M57 ⁻ 95 ⁺	-20.84	>0.9999
L vs. N	140.2	>0.9999
L vs. O	139.8	>0.9999
L vs. O57 ⁻ 95 ⁺	269.9	<0.0001
L vs. O57 ⁺ 95 ⁺	139	>0.9999
L vs. P	362.7	<0.0001
L vs. P57 ⁻ 95 ⁺	305.3	<0.0001
L vs. P57 ⁺ 95 ⁺	454.4	0.0207
L57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	54.92	>0.9999
L57 ⁻ 95 ⁻ vs. M	60.26	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	34.78	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	-6.07	>0.9999
L57 ⁻ 95 ⁻ vs. N	155	>0.9999
L57 ⁻ 95 ⁻ vs. O	154.6	>0.9999

L57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	284.6	0.0036
L57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	153.8	>0.9999
L57 ⁻ 95 ⁻ vs. P	377.5	<0.0001
L57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	320.1	0.0006
L57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	469.1	0.0290
L57 ⁻ 95 ⁺ vs. M	5.339	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-20.14	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-60.99	>0.9999
L57 ⁻ 95 ⁺ vs. N	100	>0.9999
L57 ⁻ 95 ⁺ vs. O	99.7	>0.9999
L57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	229.7	0.1427
L57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	98.89	>0.9999
L57 ⁻ 95 ⁺ vs. P	322.6	0.0027
L57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	265.2	0.0316
L57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	414.2	0.1731
M vs. M57 ⁻ 95 ⁻	-25.48	>0.9999
M vs. M57 ⁻ 95 ⁺	-66.33	>0.9999
M vs. N	94.7	>0.9999
M vs. O	94.36	>0.9999
M vs. O57 ⁻ 95 ⁺	224.4	0.1471
M vs. O57 ⁺ 95 ⁺	93.55	>0.9999
M vs. P	317.2	0.0027
M vs. P57 ⁻ 95 ⁺	259.8	0.0320
M vs. P57 ⁺ 95 ⁺	408.9	0.1877
M57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	-40.85	>0.9999
M57 ⁻ 95 ⁻ vs. N	120.2	>0.9999
M57 ⁻ 95 ⁻ vs. O	119.8	>0.9999
M57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	249.9	0.0054
M57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	119	>0.9999
M57 ⁻ 95 ⁻ vs. P	342.7	<0.0001
M57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	285.3	0.0009
M57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	434.4	0.0587
M57 ⁻ 95 ⁺ vs. N	161	0.5875
M57 ⁻ 95 ⁺ vs. O	160.7	>0.9999
M57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	290.7	<0.0001
M57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	159.9	>0.9999
M57 ⁻ 95 ⁺ vs. P	383.6	<0.0001
M57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	326.2	<0.0001
M57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	475.2	0.0111
O vs. N	0.3401	>0.9999
O vs. O57 ⁻ 95 ⁺	130	>0.9999
O vs. O57 ⁺ 95 ⁺	-0.8032	>0.9999
O vs. P	222.9	0.1773
O vs. P57 ⁻ 95 ⁺	165.5	>0.9999
O vs. P57 ⁺ 95 ⁺	314.5	>0.9999
O57 ⁻ 95 ⁺ vs. N	-129.7	>0.9999
O57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-130.8	>0.9999
O57 ⁻ 95 ⁺ vs. P	92.86	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	35.46	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	184.5	>0.9999
O57 ⁺ 95 ⁺ vs. N	1.143	>0.9999
O57 ⁺ 95 ⁺ vs. P	223.7	>0.9999
O57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	166.3	>0.9999

O57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	315.3	>0.9999
P vs. N	-222.5	0.0738
P vs. P57 ⁻ 95 ⁺	-57.4	>0.9999
P vs. P57 ⁺ 95 ⁺	91.63	>0.9999
P57 ⁻ 95 ⁺ vs. N	-165.1	0.8435
P57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	149	>0.9999
P57 ⁺ 95 ⁺ vs. N	-314.2	>0.9999
Donor 3		
Naive vs. J	127	0.3772
Naive vs. J57 ⁻ 95 ⁺	202.1	0.0240
Naive vs. J57 ⁺ 95 ⁺	178.3	0.6763
Naive vs. K	120.1	0.3475
Naive vs. K57 ⁻ 95 ⁺	172.4	0.0706
Naive vs. K57 ⁺ 95 ⁺	14.97	>0.9999
Naive vs. L	-13.98	>0.9999
Naive vs. L57 ⁻ 95 ⁻	-28.03	>0.9999
Naive vs. L57 ⁻ 95 ⁺	-11.77	>0.9999
Naive vs. M	-3.981	>0.9999
Naive vs. M57 ⁻ 95 ⁻	-89.1	>0.9999
Naive vs. M57 ⁻ 95 ⁺	9.882	>0.9999
Naive vs. M57 ⁺ 95 ⁺	162.6	>0.9999
Naive vs. N	98.47	>0.9999
Naive vs. O	156.9	0.2864
Naive vs. O57 ⁻ 95 ⁺	204.8	0.0013
Naive vs. O57 ⁺ 95 ⁺	230.2	0.5505
Naive vs. P	166.7	0.0450
J vs. J57 ⁻ 95 ⁺	75.01	>0.9999
J vs. J57 ⁺ 95 ⁺	51.3	>0.9999
J vs. K	-6.99	>0.9999
J vs. K57 ⁻ 95 ⁺	45.4	>0.9999
J vs. K57 ⁺ 95 ⁺	-112.1	>0.9999
J vs. L	-141	0.5578
J vs. L57 ⁻ 95 ⁻	-155.1	0.3359
J vs. L57 ⁻ 95 ⁺	-138.8	0.5089
J vs. M	-131	>0.9999
J vs. M57 ⁻ 95 ⁻	-216.1	0.0015
J vs. M57 ⁻ 95 ⁺	-117.2	>0.9999
J vs. M57 ⁺ 95 ⁺	35.55	>0.9999
J vs. N	-28.57	>0.9999
J vs. O	29.83	>0.9999
J vs. O57 ⁻ 95 ⁺	77.76	>0.9999
J vs. O57 ⁺ 95 ⁺	103.1	>0.9999
J vs. P	39.66	>0.9999
J57 ⁻ 95 ⁺ vs. J57 ⁺ 95 ⁺	-23.72	>0.9999
J57 ⁻ 95 ⁺ vs. K	-82	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁺	-29.61	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-187.1	>0.9999
J57 ⁻ 95 ⁺ vs. L	-216	0.0355
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-230.1	0.0216
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-213.8	0.0321
J57 ⁻ 95 ⁺ vs. M	-206	0.1381
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-291.2	0.0001
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-192.2	0.1172

J57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	-39.46	>0.9999
J57 ⁻ 95 ⁺ vs. N	-103.6	>0.9999
J57 ⁻ 95 ⁺ vs. O	-45.19	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	2.746	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	28.12	>0.9999
J57 ⁻ 95 ⁺ vs. P	-35.35	>0.9999
J57 ⁺ 95 ⁺ vs. K	-58.29	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁺	-5.896	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁺ 95 ⁺	-163.4	>0.9999
J57 ⁺ 95 ⁺ vs. L	-192.3	0.6431
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-206.4	0.4084
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-190.1	0.6341
J57 ⁺ 95 ⁺ vs. M	-182.3	>0.9999
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-267.4	0.0108
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-168.5	>0.9999
J57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	-15.74	>0.9999
J57 ⁺ 95 ⁺ vs. N	-79.87	>0.9999
J57 ⁺ 95 ⁺ vs. O	-21.47	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	26.47	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	51.84	>0.9999
J57 ⁺ 95 ⁺ vs. P	-11.63	>0.9999
K vs. K57 ⁻ 95 ⁺	52.39	>0.9999
K vs. K57 ⁺ 95 ⁺	-105.1	>0.9999
K vs. L	-134	0.5753
K vs. L57 ⁻ 95 ⁻	-148.1	0.3456
K vs. L57 ⁻ 95 ⁺	-131.8	0.5163
K vs. M	-124	>0.9999
K vs. M57 ⁻ 95 ⁻	-209.2	0.0011
K vs. M57 ⁻ 95 ⁺	-110.2	>0.9999
K vs. M57 ⁺ 95 ⁺	42.54	>0.9999
K vs. N	-21.58	>0.9999
K vs. O	36.82	>0.9999
K vs. O57 ⁻ 95 ⁺	84.75	>0.9999
K vs. O57 ⁺ 95 ⁺	110.1	>0.9999
K vs. P	46.65	>0.9999
K57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-157.5	>0.9999
K57 ⁻ 95 ⁺ vs. L	-186.4	0.1044
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-200.5	0.0634
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-184.2	0.0947
K57 ⁻ 95 ⁺ vs. M	-176.4	0.3939
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-261.5	0.0003
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-162.6	0.3447
K57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	-9.848	>0.9999
K57 ⁻ 95 ⁺ vs. N	-73.97	>0.9999
K57 ⁻ 95 ⁺ vs. O	-15.57	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	32.36	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	57.74	>0.9999
K57 ⁻ 95 ⁺ vs. P	-5.738	>0.9999
K57 ⁺ 95 ⁺ vs. L	-28.95	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-43	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-26.75	>0.9999
K57 ⁺ 95 ⁺ vs. M	-18.95	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-104.1	>0.9999

K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-5.093	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	147.6	>0.9999
K57 ⁺ 95 ⁺ vs. N	83.49	>0.9999
K57 ⁺ 95 ⁺ vs. O	141.9	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	189.8	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	215.2	>0.9999
K57 ⁺ 95 ⁺ vs. P	151.7	>0.9999
L vs. L57 ⁻ 95 ⁻	-14.05	>0.9999
L vs. L57 ⁻ 95 ⁺	2.205	>0.9999
L vs. M	9.995	>0.9999
L vs. M57 ⁻ 95 ⁻	-75.13	>0.9999
L vs. M57 ⁻ 95 ⁺	23.86	>0.9999
L vs. M57 ⁺ 95 ⁺	176.6	>0.9999
L vs. N	112.4	>0.9999
L vs. O	170.8	0.3482
L vs. O57 ⁻ 95 ⁺	218.8	0.0038
L vs. O57 ⁺ 95 ⁺	244.2	0.4813
L vs. P	180.7	0.0790
L57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	16.26	>0.9999
L57 ⁻ 95 ⁻ vs. M	24.05	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	-61.07	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	37.91	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	190.6	>0.9999
L57 ⁻ 95 ⁻ vs. N	126.5	>0.9999
L57 ⁻ 95 ⁻ vs. O	184.9	0.2124
L57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	232.8	0.0024
L57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	258.2	0.3196
L57 ⁻ 95 ⁻ vs. P	194.7	0.0480
L57 ⁻ 95 ⁺ vs. M	7.79	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-77.33	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	21.65	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	174.4	>0.9999
L57 ⁻ 95 ⁺ vs. N	110.2	>0.9999
L57 ⁻ 95 ⁺ vs. O	168.6	0.3275
L57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	216.6	0.0031
L57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	242	0.4837
L57 ⁻ 95 ⁺ vs. P	178.5	0.0697
M vs. M57 ⁻ 95 ⁻	-85.12	>0.9999
M vs. M57 ⁻ 95 ⁺	13.86	>0.9999
M vs. M57 ⁺ 95 ⁺	166.6	>0.9999
M vs. N	102.4	>0.9999
M vs. O	160.8	>0.9999
M vs. O57 ⁻ 95 ⁺	208.8	0.0270
M vs. O57 ⁺ 95 ⁺	234.2	0.9164
M vs. P	170.7	0.3435
M57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	98.99	>0.9999
M57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	251.7	0.0446
M57 ⁻ 95 ⁻ vs. N	187.6	0.0503
M57 ⁻ 95 ⁻ vs. O	246	0.0019
M57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	293.9	<0.0001
M57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	319.3	0.0173
M57 ⁻ 95 ⁻ vs. P	255.8	0.0002
M57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	152.7	>0.9999

M57 ⁻ 95 ⁺ vs. N	88.59	>0.9999
M57 ⁻ 95 ⁺ vs. O	147	>0.9999
M57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	194.9	0.0152
M57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	220.3	>0.9999
M57 ⁻ 95 ⁺ vs. P	156.8	0.2768
M57 ⁺ 95 ⁺ vs. N	-64.12	>0.9999
M57 ⁺ 95 ⁺ vs. O	-5.726	>0.9999
M57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	42.21	>0.9999
M57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	67.59	>0.9999
M57 ⁺ 95 ⁺ vs. P	4.11	>0.9999
N vs. O	58.4	>0.9999
N vs. O57 ⁻ 95 ⁺	106.3	>0.9999
N vs. O57 ⁺ 95 ⁺	131.7	>0.9999
N vs. P	68.23	>0.9999
O vs. O57 ⁻ 95 ⁺	47.93	>0.9999
O vs. O57 ⁺ 95 ⁺	73.31	>0.9999
O vs. P	9.836	>0.9999
O57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	25.38	>0.9999
O57 ⁻ 95 ⁺ vs. P	-38.1	>0.9999
O57 ⁺ 95 ⁺ vs. P	-63.48	>0.9999
Donor 4		
Naive vs. J	333.6	<0.0001
Naive vs. J57 ⁻ 95 ⁺	332.2	<0.0001
Naive vs. J57 ⁺ 95 ⁺	302.7	0.0002
Naive vs. K	135.4	>0.9999
Naive vs. K57 ⁻ 95 ⁻	38.08	>0.9999
Naive vs. K57 ⁻ 95 ⁺	50.82	>0.9999
Naive vs. K57 ⁺ 95 ⁺	204.8	0.7202
Naive vs. L	-23.46	>0.9999
Naive vs. L57 ⁻ 95 ⁻	-53.94	>0.9999
Naive vs. L57 ⁻ 95 ⁺	-51.7	>0.9999
Naive vs. M	218.9	0.2606
Naive vs. M57 ⁻ 95 ⁻	6.985	>0.9999
Naive vs. M57 ⁻ 95 ⁺	273	0.1575
Naive vs. M57 ⁺ 95 ⁺	376	<0.0001
Naive vs. N	308.2	<0.0001
Naive vs. N57 ⁻ 95 ⁺	406.3	0.0003
Naive vs. N57 ⁺ 95 ⁺	377.9	0.0010
Naive vs. O	337.5	<0.0001
Naive vs. O57 ⁻ 95 ⁺	293.6	0.3816
Naive vs. O57 ⁺ 95 ⁺	367.4	0.0005
Naive vs. P	429.3	<0.0001
Naive vs. P57 ⁻ 95 ⁺	457.2	<0.0001
Naive vs. P57 ⁺ 95 ⁺	512.9	<0.0001
J vs. J57 ⁻ 95 ⁺	-1.407	>0.9999
J vs. J57 ⁺ 95 ⁺	-30.97	>0.9999
J vs. K	-198.2	0.1102
J vs. K57 ⁻ 95 ⁻	-295.6	0.0003
J vs. K57 ⁻ 95 ⁺	-282.8	0.0759
J vs. K57 ⁺ 95 ⁺	-128.9	>0.9999
J vs. L	-357.1	<0.0001
J vs. L57 ⁻ 95 ⁻	-387.6	<0.0001
J vs. L57 ⁻ 95 ⁺	-385.3	<0.0001

J vs. M	-114.8	>0.9999
J vs. M57 ⁻ 95 ⁻	-326.7	<0.0001
J vs. M57 ⁻ 95 ⁺	-60.61	>0.9999
J vs. M57 ⁺ 95 ⁺	42.39	>0.9999
J vs. N	-25.46	>0.9999
J vs. N57 ⁻ 95 ⁺	72.62	>0.9999
J vs. N57 ⁺ 95 ⁺	44.21	>0.9999
J vs. O	3.814	>0.9999
J vs. O57 ⁻ 95 ⁺	-40.01	>0.9999
J vs. O57 ⁺ 95 ⁺	33.74	>0.9999
J vs. P	95.68	>0.9999
J vs. P57 ⁻ 95 ⁺	123.6	>0.9999
J vs. P57 ⁺ 95 ⁺	179.3	>0.9999
J57 ⁻ 95 ⁺ vs. J57 ⁺ 95 ⁺	-29.57	>0.9999
J57 ⁻ 95 ⁺ vs. K	-196.8	0.4372
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁻	-294.2	0.0025
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁺	-281.4	0.1763
J57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-127.5	>0.9999
J57 ⁻ 95 ⁺ vs. L	-355.7	<0.0001
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-386.2	<0.0001
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-383.9	<0.0001
J57 ⁻ 95 ⁺ vs. M	-113.4	>0.9999
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-325.3	<0.0001
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-59.21	>0.9999
J57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	43.8	>0.9999
J57 ⁻ 95 ⁺ vs. N	-24.06	>0.9999
J57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	74.03	>0.9999
J57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	45.62	>0.9999
J57 ⁻ 95 ⁺ vs. O	5.221	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	-38.6	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	35.15	>0.9999
J57 ⁻ 95 ⁺ vs. P	97.08	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	125	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	180.7	>0.9999
J57 ⁺ 95 ⁺ vs. K	-167.3	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁻	-264.6	0.0099
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁺	-251.9	0.4915
J57 ⁺ 95 ⁺ vs. K57 ⁺ 95 ⁺	-97.88	>0.9999
J57 ⁺ 95 ⁺ vs. L	-326.1	<0.0001
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-356.6	<0.0001
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-354.4	<0.0001
J57 ⁺ 95 ⁺ vs. M	-83.79	>0.9999
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-295.7	<0.0001
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-29.64	>0.9999
J57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	73.36	>0.9999
J57 ⁺ 95 ⁺ vs. N	5.512	>0.9999
J57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	103.6	>0.9999
J57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	75.19	>0.9999
J57 ⁺ 95 ⁺ vs. O	34.79	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	-9.036	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	64.72	>0.9999
J57 ⁺ 95 ⁺ vs. P	126.6	>0.9999
J57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	154.6	>0.9999

J57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	210.2	0.8389
K vs. K57 ⁻ 95 ⁻	-97.32	>0.9999
K vs. K57 ⁻ 95 ⁺	-84.58	>0.9999
K vs. K57 ⁺ 95 ⁺	69.39	>0.9999
K vs. L	-158.9	>0.9999
K vs. L57 ⁻ 95 ⁻	-189.3	0.7355
K vs. L57 ⁻ 95 ⁺	-187.1	0.6640
K vs. M	83.49	>0.9999
K vs. M57 ⁻ 95 ⁻	-128.4	>0.9999
K vs. M57 ⁻ 95 ⁺	137.6	>0.9999
K vs. M57 ⁺ 95 ⁺	240.6	0.0542
K vs. N	172.8	0.6747
K vs. N57 ⁻ 95 ⁺	270.9	0.2558
K vs. N57 ⁺ 95 ⁺	242.5	0.7088
K vs. O	202.1	0.1367
K vs. O57 ⁻ 95 ⁺	158.2	>0.9999
K vs. O57 ⁺ 95 ⁺	232	0.6093
K vs. P	293.9	<0.0001
K vs. P57 ⁻ 95 ⁺	321.8	0.0012
K vs. P57 ⁺ 95 ⁺	377.5	<0.0001
K57 ⁻ 95 ⁻ vs. K57 ⁻ 95 ⁺	12.74	>0.9999
K57 ⁻ 95 ⁻ vs. K57 ⁺ 95 ⁺	166.7	>0.9999
K57 ⁻ 95 ⁻ vs. L	-61.54	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁻	-92.02	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	-89.78	>0.9999
K57 ⁻ 95 ⁻ vs. M	180.8	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	-31.09	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	235	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	338	0.0002
K57 ⁻ 95 ⁻ vs. N	270.1	0.0030
K57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	368.2	0.0040
K57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	339.8	0.0131
K57 ⁻ 95 ⁻ vs. O	299.4	0.0004
K57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	255.6	>0.9999
K57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	329.3	0.0087
K57 ⁻ 95 ⁻ vs. P	391.2	<0.0001
K57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	419.2	<0.0001
K57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	474.8	<0.0001
K57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	154	>0.9999
K57 ⁻ 95 ⁺ vs. L	-74.28	>0.9999
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-104.8	>0.9999
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-102.5	>0.9999
K57 ⁻ 95 ⁺ vs. M	168.1	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-43.83	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	222.2	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	325.2	0.0309
K57 ⁻ 95 ⁺ vs. N	257.4	0.2877
K57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	355.5	0.0788
K57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	327	0.2019
K57 ⁻ 95 ⁺ vs. O	286.6	0.0817
K57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	242.8	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	316.6	0.1840
K57 ⁻ 95 ⁺ vs. P	378.5	0.0002

K57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	406.4	0.0012
K57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	462.1	<0.0001
K57 ⁺ 95 ⁺ vs. L	-228.3	0.2189
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-258.7	0.0551
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-256.5	0.0479
K57 ⁺ 95 ⁺ vs. M	14.1	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-197.8	0.4875
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	68.24	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	171.2	>0.9999
K57 ⁺ 95 ⁺ vs. N	103.4	>0.9999
K57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	201.5	>0.9999
K57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	173.1	>0.9999
K57 ⁺ 95 ⁺ vs. O	132.7	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	88.85	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	162.6	>0.9999
K57 ⁺ 95 ⁺ vs. P	224.5	0.0683
K57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	252.5	0.2453
K57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	308.1	0.0159
L vs. L57 ⁻ 95 ⁻	-30.47	>0.9999
L vs. L57 ⁻ 95 ⁺	-28.24	>0.9999
L vs. M	242.3	0.0693
L vs. M57 ⁻ 95 ⁻	30.45	>0.9999
L vs. M57 ⁻ 95 ⁺	296.5	0.0505
L vs. M57 ⁺ 95 ⁺	399.5	<0.0001
L vs. N	331.6	<0.0001
L vs. N57 ⁻ 95 ⁺	429.7	<0.0001
L vs. N57 ⁺ 95 ⁺	401.3	0.0002
L vs. O	360.9	<0.0001
L vs. O57 ⁻ 95 ⁺	317.1	0.1526
L vs. O57 ⁺ 95 ⁺	390.9	0.0001
L vs. P	452.8	<0.0001
L vs. P57 ⁻ 95 ⁺	480.7	<0.0001
L vs. P57 ⁺ 95 ⁺	536.4	<0.0001
L57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	2.236	>0.9999
L57 ⁻ 95 ⁻ vs. M	272.8	0.0157
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	60.92	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	327	0.0137
L57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	430	<0.0001
L57 ⁻ 95 ⁻ vs. N	362.1	<0.0001
L57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	460.2	<0.0001
L57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	431.8	<0.0001
L57 ⁻ 95 ⁻ vs. O	391.4	<0.0001
L57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	347.6	0.0510
L57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	421.3	<0.0001
L57 ⁻ 95 ⁻ vs. P	483.3	<0.0001
L57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	511.2	<0.0001
L57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	566.9	<0.0001
L57 ⁻ 95 ⁺ vs. M	270.6	0.0130
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	58.68	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	324.7	0.0122
L57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	427.7	<0.0001
L57 ⁻ 95 ⁺ vs. N	359.9	<0.0001
L57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	458	<0.0001

L57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	429.6	<0.0001
L57 ⁻ 95 ⁺ vs. O	389.2	<0.0001
L57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	345.3	0.0483
L57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	419.1	<0.0001
L57 ⁻ 95 ⁺ vs. P	481	<0.0001
L57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	508.9	<0.0001
L57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	564.6	<0.0001
M vs. M57 ⁻ 95 ⁻	-211.9	0.1503
M vs. M57 ⁻ 95 ⁺	54.15	>0.9999
M vs. M57 ⁺ 95 ⁺	157.2	>0.9999
M vs. N	89.3	>0.9999
M vs. N57 ⁻ 95 ⁺	187.4	>0.9999
M vs. N57 ⁺ 95 ⁺	159	>0.9999
M vs. O	118.6	>0.9999
M vs. O57 ⁻ 95 ⁺	74.75	>0.9999
M vs. O57 ⁺ 95 ⁺	148.5	>0.9999
M vs. P	210.4	0.1050
M vs. P57 ⁻ 95 ⁺	238.4	0.3701
M vs. P57 ⁺ 95 ⁺	294	0.0243
M57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	266.1	0.1112
M57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	369.1	<0.0001
M57 ⁻ 95 ⁻ vs. N	301.2	<0.0001
M57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	399.3	0.0001
M57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	370.9	0.0005
M57 ⁻ 95 ⁻ vs. O	330.5	<0.0001
M57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	286.7	0.3241
M57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	360.4	0.0002
M57 ⁻ 95 ⁻ vs. P	422.3	<0.0001
M57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	450.3	<0.0001
M57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	505.9	<0.0001
M57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	103	>0.9999
M57 ⁻ 95 ⁺ vs. N	35.15	>0.9999
M57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	133.2	>0.9999
M57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	104.8	>0.9999
M57 ⁻ 95 ⁺ vs. O	64.43	>0.9999
M57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	20.6	>0.9999
M57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	94.36	>0.9999
M57 ⁻ 95 ⁺ vs. P	156.3	>0.9999
M57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	184.2	>0.9999
M57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	239.9	>0.9999
M57 ⁺ 95 ⁺ vs. N	-67.85	>0.9999
M57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	30.23	>0.9999
M57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	1.822	>0.9999
M57 ⁺ 95 ⁺ vs. O	-38.58	>0.9999
M57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	-82.4	>0.9999
M57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-8.645	>0.9999
M57 ⁺ 95 ⁺ vs. P	53.29	>0.9999
M57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	81.21	>0.9999
M57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	136.9	>0.9999
N vs. N57 ⁻ 95 ⁺	98.09	>0.9999
N vs. N57 ⁺ 95 ⁺	69.67	>0.9999
N vs. O	29.28	>0.9999
N vs. O57 ⁻ 95 ⁺	-14.55	>0.9999

N vs. O57 ⁺ 95 ⁺	59.21	>0.9999
N vs. P	121.1	>0.9999
N vs. P57 ⁻ 95 ⁺	149.1	>0.9999
N vs. P57 ⁺ 95 ⁺	204.7	0.7764
N57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	-28.41	>0.9999
N57 ⁻ 95 ⁺ vs. O	-68.81	>0.9999
N57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	-112.6	>0.9999
N57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-38.88	>0.9999
N57 ⁻ 95 ⁺ vs. P	23.05	>0.9999
N57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	50.97	>0.9999
N57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	106.6	>0.9999
N57 ⁺ 95 ⁺ vs. O	-40.4	>0.9999
N57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	-84.22	>0.9999
N57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-10.47	>0.9999
N57 ⁺ 95 ⁺ vs. P	51.46	>0.9999
N57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	79.39	>0.9999
N57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	135.1	>0.9999
O vs. O57 ⁻ 95 ⁺	-43.82	>0.9999
O vs. O57 ⁺ 95 ⁺	29.93	>0.9999
O vs. P	91.86	>0.9999
O vs. P57 ⁻ 95 ⁺	119.8	>0.9999
O vs. P57 ⁺ 95 ⁺	175.5	>0.9999
O57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	73.75	>0.9999
O57 ⁻ 95 ⁺ vs. P	135.7	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	163.6	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	219.3	>0.9999
O57 ⁺ 95 ⁺ vs. P	61.93	>0.9999
O57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	89.85	>0.9999
O57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	145.5	>0.9999
P vs. P57 ⁻ 95 ⁺	27.92	>0.9999
P vs. P57 ⁺ 95 ⁺	83.6	>0.9999
P57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	55.67	>0.9999
Donor 5		
Naive vs. J	435	<0.0001
Naive vs. J57 ⁻ 95 ⁺	436.1	<0.0001
Naive vs. J57 ⁺ 95 ⁺	382.9	<0.0001
Naive vs. K	467.9	<0.0001
Naive vs. K57 ⁻ 95 ⁻	157.2	>0.9999
Naive vs. K57 ⁻ 95 ⁺	454.8	<0.0001
Naive vs. K57 ⁺ 95 ⁺	261.7	>0.9999
Naive vs. L	-22.36	>0.9999
Naive vs. L57 ⁻ 95 ⁻	-18.38	>0.9999
Naive vs. L57 ⁻ 95 ⁺	118.9	>0.9999
Naive vs. M	127.8	>0.9999
Naive vs. M57 ⁻ 95 ⁻	83.15	>0.9999
Naive vs. M57 ⁻ 95 ⁺	267.3	0.0622
Naive vs. M57 ⁺ 95 ⁺	294.9	0.2643
Naive vs. N	392.9	<0.0001
Naive vs. N57 ⁻ 95 ⁺	461.4	<0.0001
Naive vs. N57 ⁺ 95 ⁺	354.7	0.0002
Naive vs. O	372	<0.0001
Naive vs. O57 ⁻ 95 ⁺	470.5	<0.0001
Naive vs. O57 ⁺ 95 ⁺	291.3	0.0243

Naive vs. P	497.2	<0.0001
Naive vs. P57 ⁻ 95 ⁺	470.8	<0.0001
Naive vs. P57 ⁺ 95 ⁺	514.1	<0.0001
J vs. J57 ⁻ 95 ⁺	1.053	>0.9999
J vs. J57 ⁺ 95 ⁺	-52.1	>0.9999
J vs. K	32.87	>0.9999
J vs. K57 ⁻ 95 ⁻	-277.8	0.0114
J vs. K57 ⁻ 95 ⁺	19.74	>0.9999
J vs. K57 ⁺ 95 ⁺	-173.3	>0.9999
J vs. L	-457.4	<0.0001
J vs. L57 ⁻ 95 ⁻	-453.4	<0.0001
J vs. L57 ⁻ 95 ⁺	-316.2	0.0075
J vs. M	-307.2	0.0284
J vs. M57 ⁻ 95 ⁻	-351.9	0.0004
J vs. M57 ⁻ 95 ⁺	-167.8	>0.9999
J vs. M57 ⁺ 95 ⁺	-140.1	>0.9999
J vs. N	-42.09	>0.9999
J vs. N57 ⁻ 95 ⁺	26.41	>0.9999
J vs. N57 ⁺ 95 ⁺	-80.38	>0.9999
J vs. O	-63	>0.9999
J vs. O57 ⁻ 95 ⁺	35.47	>0.9999
J vs. O57 ⁺ 95 ⁺	-143.7	>0.9999
J vs. P	62.18	>0.9999
J vs. P57 ⁻ 95 ⁺	35.74	>0.9999
J vs. P57 ⁺ 95 ⁺	79.03	>0.9999
J57 ⁻ 95 ⁺ vs. J57 ⁺ 95 ⁺	-53.15	>0.9999
J57 ⁻ 95 ⁺ vs. K	31.81	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁻	-278.8	0.0131
J57 ⁻ 95 ⁺ vs. K57 ⁻ 95 ⁺	18.69	>0.9999
J57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-174.4	>0.9999
J57 ⁻ 95 ⁺ vs. L	-458.4	<0.0001
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-454.5	<0.0001
J57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-317.2	0.0084
J57 ⁻ 95 ⁺ vs. M	-308.3	0.0307
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-352.9	0.0005
J57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-168.8	>0.9999
J57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	-141.2	>0.9999
J57 ⁻ 95 ⁺ vs. N	-43.14	>0.9999
J57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	25.36	>0.9999
J57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	-81.43	>0.9999
J57 ⁻ 95 ⁺ vs. O	-64.05	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	34.42	>0.9999
J57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-144.7	>0.9999
J57 ⁻ 95 ⁺ vs. P	61.13	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	34.69	>0.9999
J57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	77.97	>0.9999
J57 ⁺ 95 ⁺ vs. K	84.97	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁻	-225.7	0.0657
J57 ⁺ 95 ⁺ vs. K57 ⁻ 95 ⁺	71.84	>0.9999
J57 ⁺ 95 ⁺ vs. K57 ⁺ 95 ⁺	-121.2	>0.9999
J57 ⁺ 95 ⁺ vs. L	-405.3	<0.0001
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-401.3	<0.0001
J57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-264.1	0.0419

J57 ⁺ 95 ⁺ vs. M	-255.1	0.1492
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-299.8	0.0024
J57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	-115.7	>0.9999
J57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	-88.04	>0.9999
J57 ⁺ 95 ⁺ vs. N	10.01	>0.9999
J57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	78.51	>0.9999
J57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	-28.28	>0.9999
J57 ⁺ 95 ⁺ vs. O	-10.9	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	87.57	>0.9999
J57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-91.59	>0.9999
J57 ⁺ 95 ⁺ vs. P	114.3	>0.9999
J57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	87.84	>0.9999
J57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	131.1	>0.9999
K vs. K57 ⁻ 95 ⁻	-310.6	0.0076
K vs. K57 ⁻ 95 ⁺	-13.13	>0.9999
K vs. K57 ⁺ 95 ⁺	-206.2	>0.9999
K vs. L	-490.3	<0.0001
K vs. L57 ⁻ 95 ⁻	-486.3	<0.0001
K vs. L57 ⁻ 95 ⁺	-349	0.0046
K vs. M	-340.1	0.0160
K vs. M57 ⁻ 95 ⁻	-384.7	0.0003
K vs. M57 ⁻ 95 ⁺	-200.6	>0.9999
K vs. M57 ⁺ 95 ⁺	-173	>0.9999
K vs. N	-74.95	>0.9999
K vs. N57 ⁻ 95 ⁺	-6.455	>0.9999
K vs. N57 ⁺ 95 ⁺	-113.2	>0.9999
K vs. O	-95.87	>0.9999
K vs. O57 ⁻ 95 ⁺	2.608	>0.9999
K vs. O57 ⁺ 95 ⁺	-176.6	>0.9999
K vs. P	29.32	>0.9999
K vs. P57 ⁻ 95 ⁺	2.876	>0.9999
K vs. P57 ⁺ 95 ⁺	46.16	>0.9999
K57 ⁻ 95 ⁻ vs. K57 ⁻ 95 ⁺	297.5	0.0177
K57 ⁻ 95 ⁻ vs. K57 ⁺ 95 ⁺	104.4	>0.9999
K57 ⁻ 95 ⁻ vs. L	-179.6	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁻	-175.6	>0.9999
K57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	-38.39	>0.9999
K57 ⁻ 95 ⁻ vs. M	-29.46	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	-74.09	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	110	>0.9999
K57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	137.6	>0.9999
K57 ⁻ 95 ⁻ vs. N	235.7	0.8499
K57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	304.2	0.0030
K57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	197.4	>0.9999
K57 ⁻ 95 ⁻ vs. O	214.8	>0.9999
K57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	313.3	0.0046
K57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	134.1	>0.9999
K57 ⁻ 95 ⁻ vs. P	340	0.0006
K57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	313.5	0.0036
K57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	356.8	0.0008
K57 ⁻ 95 ⁺ vs. K57 ⁺ 95 ⁺	-193.1	>0.9999
K57 ⁻ 95 ⁺ vs. L	-477.1	<0.0001
K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁻	-473.1	<0.0001

K57 ⁻ 95 ⁺ vs. L57 ⁻ 95 ⁺	-335.9	0.0102
K57 ⁻ 95 ⁺ vs. M	-327	0.0324
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-371.6	0.0008
K57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	-187.5	>0.9999
K57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	-159.9	>0.9999
K57 ⁻ 95 ⁺ vs. N	-61.83	>0.9999
K57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	6.671	>0.9999
K57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	-100.1	>0.9999
K57 ⁻ 95 ⁺ vs. O	-82.74	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	15.73	>0.9999
K57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-163.4	>0.9999
K57 ⁻ 95 ⁺ vs. P	42.44	>0.9999
K57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	16	>0.9999
K57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	59.29	>0.9999
K57 ⁺ 95 ⁺ vs. L	-284	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁻	-280.1	>0.9999
K57 ⁺ 95 ⁺ vs. L57 ⁻ 95 ⁺	-142.8	>0.9999
K57 ⁺ 95 ⁺ vs. M	-133.9	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁻	-178.5	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁻ 95 ⁺	5.583	>0.9999
K57 ⁺ 95 ⁺ vs. M57 ⁺ 95 ⁺	33.21	>0.9999
K57 ⁺ 95 ⁺ vs. N	131.3	>0.9999
K57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	199.8	>0.9999
K57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	92.97	>0.9999
K57 ⁺ 95 ⁺ vs. O	110.3	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	208.8	>0.9999
K57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	29.66	>0.9999
K57 ⁺ 95 ⁺ vs. P	235.5	>0.9999
K57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	209.1	>0.9999
K57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	252.4	>0.9999
L vs. L57 ⁻ 95 ⁻	3.977	>0.9999
L vs. L57 ⁻ 95 ⁺	141.2	>0.9999
L vs. M	150.1	>0.9999
L vs. M57 ⁻ 95 ⁻	105.5	>0.9999
L vs. M57 ⁻ 95 ⁺	289.6	0.5618
L vs. M57 ⁺ 95 ⁺	317.3	0.8668
L vs. N	415.3	0.0027
L vs. N57 ⁻ 95 ⁺	483.8	<0.0001
L vs. N57 ⁺ 95 ⁺	377	0.0140
L vs. O	394.4	0.0048
L vs. O57 ⁻ 95 ⁺	492.9	<0.0001
L vs. O57 ⁺ 95 ⁺	313.7	0.2752
L vs. P	519.6	<0.0001
L vs. P57 ⁻ 95 ⁺	493.1	<0.0001
L vs. P57 ⁺ 95 ⁺	536.4	<0.0001
L57 ⁻ 95 ⁻ vs. L57 ⁻ 95 ⁺	137.2	>0.9999
L57 ⁻ 95 ⁻ vs. M	146.2	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁻	101.5	>0.9999
L57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	285.6	0.3027
L57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	313.3	0.5812
L57 ⁻ 95 ⁻ vs. N	411.3	0.0007
L57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	479.8	>0.9999
L57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	373	>0.9999

L57 ⁻ 95 ⁻ vs. O	390.4	>0.9999
L57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	488.9	>0.9999
L57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	309.7	>0.9999
L57 ⁻ 95 ⁻ vs. P	515.6	>0.9999
L57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	489.2	>0.9999
L57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	532.4	>0.9999
L57 ⁻ 95 ⁺ vs. M	8.928	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁻	-35.7	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁻ 95 ⁺	148.4	>0.9999
L57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	176	>0.9999
L57 ⁻ 95 ⁺ vs. N	274.1	>0.9999
L57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	342.6	>0.9999
L57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	235.8	>0.9999
L57 ⁻ 95 ⁺ vs. O	253.2	>0.9999
L57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	351.6	>0.9999
L57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	172.5	>0.9999
L57 ⁻ 95 ⁺ vs. P	378.4	>0.9999
L57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	351.9	>0.9999
L57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	395.2	>0.9999
M vs. M57 ⁻ 95 ⁻	-44.63	>0.9999
M vs. M57 ⁻ 95 ⁺	139.5	>0.9999
M vs. M57 ⁺ 95 ⁺	167.1	>0.9999
M vs. N	265.2	>0.9999
M vs. N57 ⁻ 95 ⁺	333.7	>0.9999
M vs. N57 ⁺ 95 ⁺	226.9	>0.9999
M vs. O	244.2	>0.9999
M vs. O57 ⁻ 95 ⁺	342.7	>0.9999
M vs. O57 ⁺ 95 ⁺	163.6	>0.9999
M vs. P	369.4	>0.9999
M vs. P57 ⁻ 95 ⁺	343	>0.9999
M vs. P57 ⁺ 95 ⁺	386.3	<0.0001
M57 ⁻ 95 ⁻ vs. M57 ⁻ 95 ⁺	184.1	<0.0001
M57 ⁻ 95 ⁻ vs. M57 ⁺ 95 ⁺	211.7	<0.0001
M57 ⁻ 95 ⁻ vs. N	309.8	<0.0001
M57 ⁻ 95 ⁻ vs. N57 ⁻ 95 ⁺	378.3	>0.9999
M57 ⁻ 95 ⁻ vs. N57 ⁺ 95 ⁺	271.5	<0.0001
M57 ⁻ 95 ⁻ vs. O	288.9	>0.9999
M57 ⁻ 95 ⁻ vs. O57 ⁻ 95 ⁺	387.4	>0.9999
M57 ⁻ 95 ⁻ vs. O57 ⁺ 95 ⁺	208.2	>0.9999
M57 ⁻ 95 ⁻ vs. P	414.1	>0.9999
M57 ⁻ 95 ⁻ vs. P57 ⁻ 95 ⁺	387.6	>0.9999
M57 ⁻ 95 ⁻ vs. P57 ⁺ 95 ⁺	430.9	>0.9999
M57 ⁻ 95 ⁺ vs. M57 ⁺ 95 ⁺	27.62	0.0622
M57 ⁻ 95 ⁺ vs. N	125.7	0.2643
M57 ⁻ 95 ⁺ vs. N57 ⁻ 95 ⁺	194.2	<0.0001
M57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	87.38	<0.0001
M57 ⁻ 95 ⁺ vs. O	104.8	0.0002
M57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	203.2	<0.0001
M57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	24.07	<0.0001
M57 ⁻ 95 ⁺ vs. P	229.9	0.0243
M57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	203.5	<0.0001
M57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	246.8	<0.0001
M57 ⁺ 95 ⁺ vs. N	98.05	<0.0001

M57 ⁺ 95 ⁺ vs. N57 ⁻ 95 ⁺	166.5	>0.9999
M57 ⁺ 95 ⁺ vs. N57 ⁺ 95 ⁺	59.76	>0.9999
M57 ⁺ 95 ⁺ vs. O	77.14	>0.9999
M57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	175.6	0.0114
M57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-3.55	>0.9999
M57 ⁺ 95 ⁺ vs. P	202.3	>0.9999
M57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	175.9	<0.0001
M57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	219.2	<0.0001
N vs. N57 ⁻ 95 ⁺	68.5	0.0075
N vs. N57 ⁺ 95 ⁺	-38.29	0.0284
N vs. O	-20.91	0.0004
N vs. O57 ⁻ 95 ⁺	77.56	>0.9999
N vs. O57 ⁺ 95 ⁺	-101.6	>0.9999
N vs. P	104.3	>0.9999
N vs. P57 ⁻ 95 ⁺	77.83	>0.9999
N vs. P57 ⁺ 95 ⁺	121.1	>0.9999
N57 ⁻ 95 ⁺ vs. N57 ⁺ 95 ⁺	-106.8	>0.9999
N57 ⁻ 95 ⁺ vs. O	-89.41	>0.9999
N57 ⁻ 95 ⁺ vs. O57 ⁻ 95 ⁺	9.063	>0.9999
N57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-170.1	>0.9999
N57 ⁻ 95 ⁺ vs. P	35.77	>0.9999
N57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	9.331	>0.9999
N57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	52.62	>0.9999
N57 ⁺ 95 ⁺ vs. O	17.38	>0.9999
N57 ⁺ 95 ⁺ vs. O57 ⁻ 95 ⁺	115.9	0.0131
N57 ⁺ 95 ⁺ vs. O57 ⁺ 95 ⁺	-63.31	>0.9999
N57 ⁺ 95 ⁺ vs. P	142.6	>0.9999
N57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	116.1	<0.0001
N57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	159.4	<0.0001
O vs. O57 ⁻ 95 ⁺	98.47	0.0084
O vs. O57 ⁺ 95 ⁺	-80.69	0.0307
O vs. P	125.2	0.0005
O vs. P57 ⁻ 95 ⁺	98.74	>0.9999
O vs. P57 ⁺ 95 ⁺	142	>0.9999
O57 ⁻ 95 ⁺ vs. O57 ⁺ 95 ⁺	-179.2	>0.9999
O57 ⁻ 95 ⁺ vs. P	26.71	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁻ 95 ⁺	0.2677	>0.9999
O57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	43.55	>0.9999
O57 ⁺ 95 ⁺ vs. P	205.9	>0.9999
O57 ⁺ 95 ⁺ vs. P57 ⁻ 95 ⁺	179.4	>0.9999
O57 ⁺ 95 ⁺ vs. P57 ⁺ 95 ⁺	222.7	>0.9999
P vs. P57 ⁻ 95 ⁺	-26.44	>0.9999
P vs. P57 ⁺ 95 ⁺	16.85	>0.9999
P57 ⁻ 95 ⁺ vs. P57 ⁺ 95 ⁺	43.28	>0.9999

Alpha = 0.05.

Bold font indicates significance.