Bonk et al

Supplemental Material

ABERRANT DNA METHYLATION IN PORCINE *IN VITRO*-, PARTHENOGENETIC-, AND SOMATIC CELL NUCLEAR TRANSFER-PRODUCED BLASTOCYSTS

Bootstrap analysis (Page 2)

Bootstrap analysis of Sperm, GV Oocyte, and Blastocysts PDMH Results

The TIGR Multiple Array Viewer (TMEV) was used to perform additional validation by using the bootstrap analysis to create a hierarchical support tree. Please note TMEV does not use the same algorithm to perform hierarchical clustering and the resulting trees are different than those generated by using GeneSpring software. Specifically, the Standard Correlation used in the GeneSpring software is commonly referred to as Pearson correlation around zero. The TIGR Multiple Array Viewer does not contain this correlation procedure so the Pearson Correlation analysis was substituted. The Pearson Correlation metric was chosen because the hierarchical clustering tree was the most similar, when compared to the other metrics, to the analogous tree produced by using the GeneSpring software. See Figures S.1
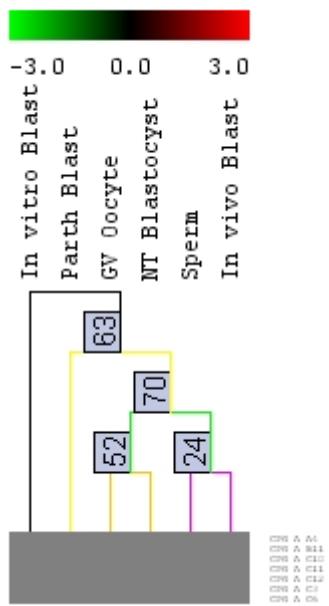
Figure S.1   Hierarchical support tree generated by using bootstrapping with replacement after 1000 iterations. Larger numbers at the nodes (range=1-100) indicates the support of the clustering. Strong support for the clustering of the *in vivo*-produced blastocysts was observed. The clusters observed in the original hierarchical tree are not observed in the bootstrapping support tree.
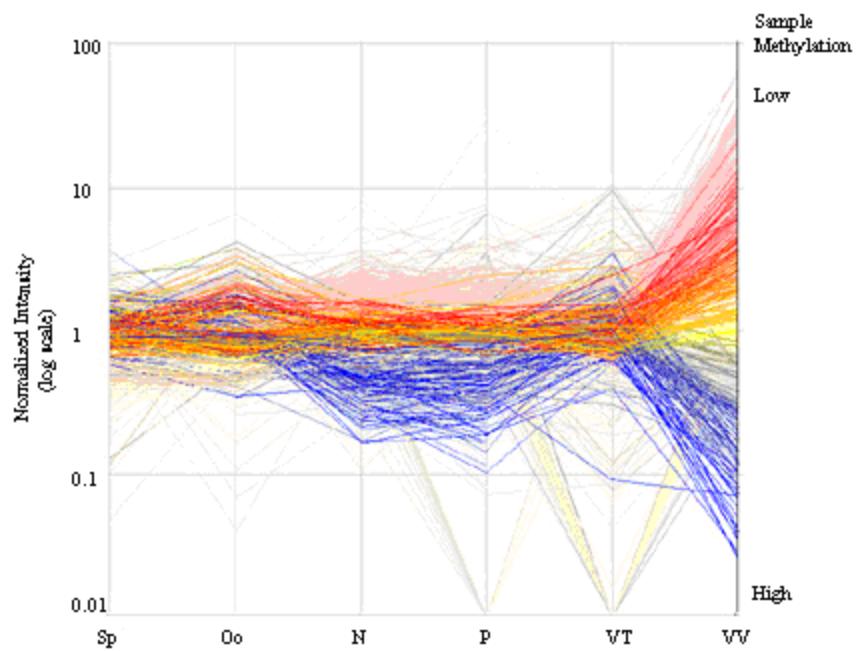
Figure S.2. Methylation profiles of porcine sperm (Sp), germinal vesicle oocytes (Oo), parthenogenetic- (P), nuclear transfer- (N), *in vitro-* (VT), and *in vivo-*(VV) produced blastocysts generated by using PDMH analysis. This graph shows the Reference/Sample ratios for the 921 clones that were significantly different (P<0.01) in at least one of the sample groups. A Reference/Sample ratio greater than 1 indicates that the reference is hypermethylated relative to the sample and a Reference/Sample ratio less than one indicates that the reference is hypomethylated relative to the sample. Each line represents the methylation status of a single clone at the different stages listed at the bottom. The *in vivo-*produced blastocysts have more genes that are hypomethylated relative to the reference as compared to the other samples. Extensive hypermethylation is measured in the parthenogenetic-, SCNT-, and *in vivo-*produced blastocysts but in the *in vitro-* produced blastocysts. The clones are colored by the Reference/Sample ratios in the *in vivo-*produced blastocyst sample. This figure is a summary of Figure 1 in the text.
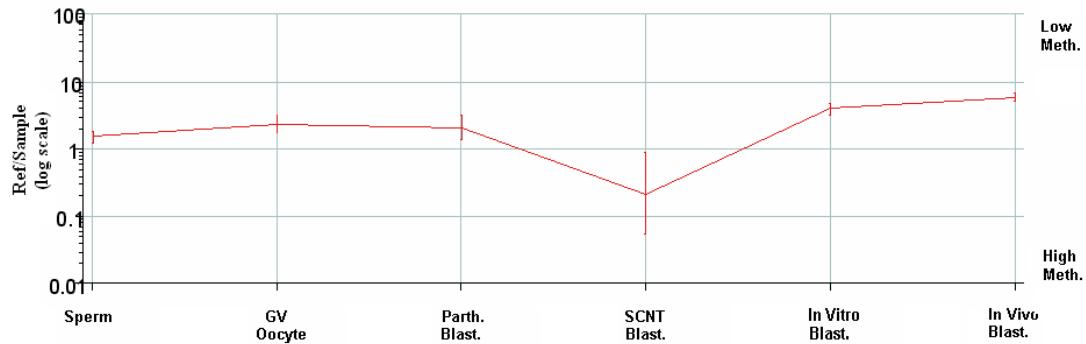
Figure S.3. Methylation profile of WW G4 (myeloid leukemia factor 1 (MLF1) measured by using PDMH microarrays. The region was hypomethylated relative to the reference sample in all samples except for the SCNT-produced blastocysts where the region was hypermethylated. The region analyzed is 184 bases upstream of the start site of the myeloid leukemia factor 1 gene.

Table S.1 PDMH analysis identified spots (n=921) with significant differences (P<0.01) in the methylation in the gametes and blastocysts.

Systematic Name	Sperm normalized	Sperm t-test p-value	GV Oocyte normalized	GV Oocyte t-test p-value	Parth Blast normalized	Parth Blast t-test p-value	NT Blastocyst normalized	NT Blastocyst t-test p-value	In vitro Blast normalized	In vitro Blast t-test p-value	In vivo Blast normalized	In vivo Blast t-test p-value
A A4	1.072 (0.575-1.949)	0.704	0.594 (0.332-0.87)	0.0192	0.915 (0.638-2.601)	0.7	1.735 (0.933-4.291)	0.0962	0.504 (0.399-0.61)	0.0044	1.401 (0.99-2.932)	0.0933
A B11	0.984 (0.603-1.263)	0.887	0.869 (0.511-1.781)	0.659	1.023 (0.558-2.432)	0.964	1.053 (0.679-1.895)	0.749	0.01*	No reps.	1.351 (0.988-3.484)	0.279
A C10	1.202 (0.974-1.581)	0.0739	0.881 (0.196-1.578)	0.731	0.883 (0.637-1.267)	0.257	1.19 (0.887-2.346)	0.301	0.668 (0.341-1.263)	0.123	2.271 (1.245-3.244)	0.00359
A C11	0.803 (0.454-0.971)	0.122	0.861 (0.717-1.025)	0.0249	0.934 (0.734-1.211)	0.485	1.235 (1.032-1.673)	0.0735	0.636 (0.498-0.793)	0.00134	5.945 (4.557-9.744)	0.000204
A C12	0.814 (0.432-1.07)	0.178	0.979 (0.826-1.108)	0.721	1.619 (0.838-3.58)	0.127	1.777 (1.497-2.224)	0.000462	1.135 (0.719-1.76)	0.601	2.945 (1.229-7.311)	0.00627
A C3	0.924 (0.469-1.29)	0.663	1.193 (0.815-1.55)	0.189	1.123 (0.784-1.524)	0.359	1.413 (0.995-1.983)	0.0359	0.784 (0.631-0.961)	0.0162	3.931 (1.559-7.722)	0.00159
A C6	0.874 (0.63-1.182)	0.177	0.91 (0.824-1.023)	0.0447	0.967 (0.778-1.1)	0.542	0.978 (0.707-1.428)	0.875	0.73 (0.604-0.899)	0.00392	2.867 (1.667-4.983)	0.0348
A C8	0.725 (0.394-1.198)	0.137	2.128 (1.195-2.943)	0.00291	0.903 (0.509-1.344)	0.537	0.855 (0.477-1.151)	0.278	0.821 (0.333-3.541)	0.596	2.877 (1.276-8.33)	0.00912
A D3	0.895 (0.829-0.967)	0.00548	0.749 (0.53-0.9)	0.0182	0.961 (0.568-1.309)	0.773	1.184 (0.693-2.332)	0.418	0.571 (0.355-0.855)	0.021	13.45 (3.478-104.1)	0.00495
A D8	0.789 (0.575-1.271)	0.103	0.564 (0.324-0.726)	0.00961	1.048 (0.802-1.511)	0.655	1.082 (0.88-1.433)	0.334	0.987 (0.646-1.729)	0.937	5.75 (1.914-9.167)	0.000857
A D9	1.386 (0.862-2.378)	0.223	0.975 (0.742-1.229)	0.783	1.16 (0.613-1.73)	0.414	2.302 (1.222-5.622)	0.00935	0.936	No reps.	4.114 (2.072-9.441)	0.00814
A E5	0.878 (0.789-0.963)	0.00988	1.101 (0.849-1.443)	0.418	1.77	No reps.	1.294 (0.698-1.607)	0.299	5.53	No reps.	2.152	No reps.
A F10	0.928 (0.828-1.034)	0.106	1.166 (0.875-1.659)	0.305	1.045 (0.853-1.386)	0.575	1.497 (1.058-1.78)	0.00466	0.771 (0.36-1.244)	0.205	6.825 (3.975-15.44)	6
A F2	1.174 (1.018-1.412)	0.0297	0.994 (0.862-1.148)	0.905	0.969 (0.737-1.254)	0.675	1.107 (0.907-1.505)	0.317	1.011 (0.523-1.499)	0.948	4.504 (1.31-41.59)	0.0557
A G1	0.974 (0.728-1.316)	0.777	0.735 (0.363-1.26)	0.128	1.362 (0.623-2.368)	0.414	1.255 (0.621-2.572)	0.349	0.01*	No reps.	1.681 (1.096-2.344)	0.00952
A H10	0.806 (0.567-1.124)	0.0771	0.965 (0.755-1.36)	0.745	0.986 (0.673-1.371)	0.907	1.537 (1.109-1.961)	0.00352	0.856 (0.516-1.149)	0.256	7.457 (4.724-11.27)	0.000291
AA A1	1.184 (1.029-1.558)	0.0424	3.084 (1.84-5.356)	0.00611	1.753 (0.89-2.656)	0.0489	1.621 (1.398-2.235)	0.00417	0.73 (0.568-0.933)	0.013	12.49 (7.937-16.69)	3.68E-05
AA C11	1.395 (0.894-3.561)	0.369	1.71 (1.141-2.25)	0.0119	0.785	No reps.	0.814 (0.531-0.994)	0.173	0.01*	No reps.	0.889 (0.323-2.212)	0.705
AA D10	0.391 (0.276-0.534)	0.000265	0.384 (0.24-0.623)	0.00201	1.017 (0.265-3.846)	0.972	1.376 (0.894-1.931)	0.0477	1.597 (1.083-3.699)	0.196	2.749 (2.05-3.627)	4.81E-05
AA D12	0.958	No reps.	2.702 (1.756-4.186)	0.00129	1.386 (1.028-1.892)	0.0205	1.323 (0.938-1.595)	0.0371	0.738 (0.395-0.944)	0.0702	47.82 (23.4-124.5)	3.52E-05

AA D2	0.67 (0.589-0.813)	0.000278	0.742 (0.593-0.897)	0.0126	1.053 (0.788-1.585)	0.648	1.159 (0.718-1.997)	0.448	0.657 (0.392-0.97)	0.0257	4.259 (1.329-41.02)	0.0609
AA D6	1.192 (1.155-1.23)	0.114	0.951 (0.796-1.082)	0.644	NO DATA	NO DATA	1.56 (1.269-2.5)	0.0698	2.444	No reps.	0.565 (0.434-0.76)	0.0277
AA D7	1 (0.631-2.007)	0.998	1.493 (1.069-2.018)	0.0333	2.016 (1.319-5.283)	0.0468	2.109 (1.616-2.706)	0.00193	0.463	No reps.	3.608 (2.807-4.671)	0.0129
AA E10	0.956 (0.675-1.656)	0.758	1.163 (0.378-2.536)	0.607	2.366 (1.596-3.093)	0.00924	2.907 (2.063-4.193)	0.000707	3.5	No reps.	11	No reps.
AA E12	1.079 (0.816-1.226)	0.282	1.085 (0.633-1.773)	0.624	1.251 (0.696-1.745)	0.169	1.817 (1.363-2.753)	0.00262	0.83 (0.568-1.702)	0.503	3.665 (2.939-5.611)	3.88E-05
AA F11	1.171 (0.791-1.604)	0.376	1.227 (0.913-1.442)	0.301	7.619	No reps.	1.187 (0.804-1.562)	0.307	NO DATA	NO DATA	1.315 (0.98-1.569)	0.205
AA F7	0.936 (0.466-1.815)	0.78	3.601 (1.966-4.708)	0.00118	2.046 (1.382-2.992)	0.0849	2.096 (1.703-2.521)	0.00079	NO DATA	NO DATA	11.2 (6.699-20)	0.00286
AA G5	0.775 (0.495-1.008)	0.133	0.851 (0.759-0.93)	0.00274	0.935 (0.731-1.326)	0.472	1.136 (0.821-2.048)	0.375	0.74 (0.437-0.943)	0.0634	6.574 (2.057-18.24)	0.00589
AA G7	0.847 (0.436-1.065)	0.29	1.347 (1.042-1.865)	0.0279	1.52 (0.91-3.012)	0.122	2.916 (1.392-4.52)	0.00286	2.233 (0.978-4.4)	0.0678	10.29 (4.81-16.24)	0.0427
AA H11	0.807 (0.682-0.917)	0.00492	0.98 (0.559-2.339)	0.936	1.226 (0.977-1.672)	0.0835	1.456 (0.813-2.871)	0.0956	0.819 (0.709-0.942)	0.00445	30.4 (15.16-134.5)	0.00042
AA H5	1.205 (0.929-1.46)	0.0725	2.777 (1.666-4.361)	0.0018	1.648 (1.315-2.506)	0.0152	1.482 (0.933-2.618)	0.0462	0.793 (0.434-1.214)	0.203	33.62 (20.45-73.36)	7.02E-06
B A1	1.099 (0.796-2.062)	0.607	1.059 (0.813-1.502)	0.531	1.26 (0.583-2.447)	0.305	1.99 (1.306-3.043)	0.00465	1.147 (0.852-1.983)	0.516	4.949 (3.349-14.09)	0.00381
B A5	1.023 (0.808-1.679)	0.847	1.204 (0.848-1.804)	0.249	2.138 (1.106-3.162)	0.0138	2.922 (1.512-7.96)	0.0101	1.578 (0.828-3.054)	0.2	6.923 (5.315-10.63)	0.000125
B A8	0.899 (0.515-1.684)	0.787	0.662 (0.423-1.037)	0.527	1.655 (0.701-7.406)	0.421	2.243 (1.064-3.154)	0.00487	0.01*	No reps.	1.011 (0.44-4)	0.984
B B1	0.862 (0.632-1.078)	0.112	0.897 (0.736-1.113)	0.142	1.212 (0.871-1.911)	0.223	1.825 (1.488-2.172)	0.00127	0.398 (0.01-2.475)	0.516	7.433 (3.881-14.85)	0.000227
B B2	0.855 (0.781-1.012)	0.0436	0.772 (0.48-1.174)	0.0879	1.034 (0.742-1.482)	0.739	1.216 (0.84-1.417)	0.0609	0.801 (0.443-1.035)	0.223	7.037 (3.903-11.23)	0.000173
B B6	0.857 (0.46-1.324)	0.583	0.739 (0.432-1.265)	0.674	0.975	No reps.	0.903 (0.352-3)	0.811	0.01*	No reps.	2.244 (1.808-2.902)	0.028
B C1	0.928 (0.656-1.272)	0.554	0.956 (0.69-1.138)	0.648	1.433 (0.985-2.009)	0.0225	1.833 (1.328-2.454)	0.00132	0.631 (0.427-1.096)	0.0677	5.278 (1.661-12.49)	0.0299
B C11	0.937 (0.596-1.226)	0.601	1.119 (0.948-1.238)	0.0272	1.192 (1.159-1.308)	0.00169	1.618 (1.252-2.462)	0.00838	1.072 (0.745-1.701)	0.652	32.15 (4.4-126)	0.000324
B C12	0.786 (0.314-1.24)	0.29	2.027 (1.134-2.703)	0.00254	1.426 (0.357-2.856)	0.329	1.23 (0.846-1.629)	0.0846	1.293 (0.834-1.795)	0.126	20.59 (4.574-452.3)	0.00833
B C2	0.93 (0.612-1.466)	0.608	1.086 (0.92-1.278)	0.274	1.033 (0.765-1.792)	0.835	1.711 (1.548-1.868)	0.0002	0.734 (0.622-0.859)	0.0808	4.372 (1.25-9.805)	0.0126
B C3	1.013 (0.631-1.355)	0.909	1.937 (1.543-2.234)	5.28E-05	1.31 (1.002-1.678)	0.0356	1.012 (0.768-1.247)	0.866	1.423 (1.065-1.907)	0.00655	4.083 (0.087-12.43)	0.134
B C4	0.818 (0.44-1.188)	0.257	1.71 (0.923-2.365)	0.0112	1.311 (0.425-2.388)	0.307	1.058 (0.703-1.449)	0.607	1.255 (0.795-1.82)	0.142	6.162 (2.717-16.84)	0.00256
B C6	1.132 (0.951-1.31)	0.0511	1.569 (1.373-1.983)	0.000494	1.3 (0.701-2.681)	0.304	1.225 (1.075-1.443)	0.00596	0.944 (0.369-1.516)	0.795	13.12 (4.467-237.1)	0.00983
B C8	1.154 (0.925-1.809)	0.193	0.919 (0.633-1.503)	0.498	1.473 (0.954-2.098)	0.0561	1.091 (0.567-1.669)	0.659	1.094 (0.562-1.559)	0.812	3.227 (2.273-5.784)	0.0127

B C9	0.819 (0.513-1.309)	0.182	1.015 (0.66-1.4)	0.918	2.324 (2.286-2.351)	0.000102	1.803 (1.226-5.957)	0.0604	2.664 (2.63-2.698)	0.00835	3.915 (3.105-6.429)	0.00407
B D2	0.967 (0.391-3.422)	0.964	0.933 (0.327-1.583)	0.821	0.01*	No reps.	1.191 (0.783-1.979)	0.397	1.725	No reps.	0.814 (0.713-0.974)	0.0169
B D5	1.006 (0.726-1.37)	0.96	1 (0.714-1.282)	1	1.361 (0.849-2.491)	0.189	2.399 (1.417-2.981)	0.000515	1.13 (0.881-1.364)	0.446	4.192 (1.16-18.02)	0.0231
B D6	0.684 (0.463-1.108)	0.276	0.409 (0.295-0.529)	0.000887	1.534 (0.686-2.689)	0.234	1.793 (1.104-2.137)	0.00199	1.75 (1.164-2.631)	0.401	2.141 (1.397-5.13)	0.00967
B D7	0.555 (0.45-0.743)	0.000485	0.46 (0.166-1.078)	0.21	1.322 (0.647-2.493)	0.267	1.355 (0.95-1.591)	0.0177	0.945 (0.703-1.27)	0.879	2.048 (0.957-5.041)	0.0608
B E11	1.05 (0.859-1.484)	0.64	1.515 (0.869-2.679)	0.11	2.154 (1.929-2.786)	0.00307	2.465 (1.981-3.599)	0.000217	3.596	No reps.	4.853 (3.469-5.831)	0.0111
B G1	0.963 (0.761-1.159)	0.572	0.996 (0.828-1.223)	0.948	1.095 (0.576-1.71)	0.597	1.286 (1.218-1.335)	0.000109	0.685 (0.498-1.035)	0.0628	30.75 (11.06-108.5)	0.00231
B G10	1.066 (0.888-1.35)	0.578	1.261 (0.983-1.426)	0.0757	1.18 (0.539-1.634)	0.459	2.086 (1.361-3.097)	0.00491	1.175	No reps.	6.405 (3.464-13.42)	0.0123
B G12	0.832 (0.392-1.216)	0.32	2.543 (1.648-3.522)	0.000791	1.552 (1.149-2.476)	0.0101	1.908 (1.281-3.523)	0.00623	1.482 (0.924-2.017)	0.0587	61.11 (36.02-160)	2.07E-05
B G2	0.96 (0.806-1.177)	0.501	1.043 (0.782-1.348)	0.635	0.992 (0.61-1.848)	0.959	1.748 (1.462-2.297)	0.000413	0.878 (0.465-1.248)	0.414	21.52 (9.229-82.5)	0.000582
B G4	0.869 (0.525-1.135)	0.309	1.534 (0.818-2.101)	0.0233	1.14 (0.865-1.407)	0.14	1.021 (0.792-1.257)	0.789	1.23 (0.784-1.795)	0.181	2.08 (1.42-3.22)	0.00198
B G5	0.853 (0.433-1.191)	0.423	1.872 (1.214-2.35)	0.00126	1.39 (0.616-2.906)	0.224	1.383 (1.13-1.666)	0.00206	1.08 (0.695-1.987)	0.653	21.89 (6.526-423)	0.00391
B G6	1.211 (0.929-1.464)	0.0352	1.495 (1.231-1.588)	0.000161	1.188 (0.669-3.769)	0.612	1.815 (1.23-2.482)	0.00161	1.3 (0.942-1.609)	0.105	3.433 (2.002-4.393)	0.000158
B G7	1.156 (0.955-1.466)	0.163	0.555 (0.516-0.606)	0.00048	1.529 (1.483-1.576)	0.046	2.748 (1.103-5)	0.0702	1.154 (0.718-1.853)	0.814	2.281 (1.994-2.458)	0.00662
B H3	0.751 (0.463-1.036)	0.0519	0.752 (0.392-1.133)	0.121	1.063 (0.741-1.789)	0.681	1.547 (1.096-2.169)	0.00766	0.804 (0.431-1.636)	0.404	5.654 (4.136-10.32)	0.000104
B H7	1.264 (1.076-1.66)	0.0189	1.335 (1.006-1.665)	0.00864	1.448 (1.014-2.069)	0.0432	2.217 (1.194-5.434)	0.018	1.061 (0.636-1.535)	0.802	11.23 (5.67-21.62)	5.86E-05
BBB A12	1.027 (0.753-1.162)	0.698	1.259 (1.035-1.385)	0.0123	1.333 (0.831-2)	0.0883	2.515 (1.612-5.523)	0.00624	2.478 (1.708-4.006)	0.00104	15.52 (11.59-23.04)	3.25E-06
BBB B12	0.723 (0.575-0.812)	0.00732	0.417 (0.216-0.9)	0.0638	1.982 (1.617-2.43)	0.184	1.438 (1.369-1.525)	0.000102	NO DATA	NO DATA	1.853 (1.228-3.518)	0.0352
BBB B4	0.992 (0.871-1.092)	0.823	0.949 (0.43-1.723)	0.826	2.134 (1.677-2.633)	0.00582	2.103 (1.556-3.124)	0.000811	1.52 (1.095-2.11)	0.423	7.476 (2.592-20.4)	0.0192
BBB B5	0.899 (0.717-1.494)	0.404	1.258 (1.011-1.556)	0.0596	5.54 (2.707-11.34)	0.252	2.899 (1.162-8.182)	0.0318	NO DATA	NO DATA	6.441 (4.925-12.27)	0.00334
BBB D12	1.047 (0.608-1.38)	0.737	1.016 (0.723-1.469)	0.898	1.527 (1.07-3.075)	0.0818	1.562 (1.218-2.206)	0.00244	1.208 (1-1.779)	0.25	9.031 (1.558-36.5)	0.049
BBB E12	1.204 (1.043-1.553)	0.0266	1.206 (0.702-2.653)	0.381	1.783 (1.067-2.907)	0.0161	2.2 (1.95-2.372)	1.85E-05	1.073 (0.935-1.232)	0.698	12.66 (8.484-33)	0.00421
BBB E4	0.763 (0.427-1.246)	0.115	1.027 (0.589-1.708)	0.876	1.081 (0.85-1.545)	0.472	1.463 (1.268-1.653)	0.000292	1.144 (0.549-2.723)	0.69	3.521 (2.666-5.107)	2.88E-05
BBB G11	0.998 (0.646-1.809)	0.991	0.94 (0.558-1.631)	0.717	2.765 (1.325-10.17)	0.26	2.493 (1.191-5.472)	0.0149	1.21 (0.988-1.481)	0.519	8.624 (3.982-23)	0.053
BBB G2	0.873 (0.457-1.296)	0.39	1.192 (0.913-1.713)	0.18	1.438 (0.762-2.197)	0.108	2.378 (1.483-3.601)	0.00422	1.251 (1.03-1.961)	0.128	4.331 (1.607-6.928)	0.00116

BBB H7	1.009 (0.793-1.258)	0.903	0.887 (0.784-0.975)	0.024	1.107 (0.817-1.57)	0.389	1.24 (0.763-2.345)	0.258	0.735 (0.453-1.06)	0.117	10.56 (5.676-21.98)	7.78E-05
BLUE A9	0.911 (0.726-1.038)	0.216	0.82 (0.773-0.883)	0.000162	0.925 (0.781-1.033)	0.134	1.045 (0.85-1.438)	0.655	1.039 (0.679-1.549)	0.791	2.267 (0.901-4.867)	0.041
BLUE C1	0.719 (0.543-1.093)	0.0315	0.78 (0.644-0.908)	0.00839	1.104 (0.871-1.333)	0.147	1.124 (0.946-1.713)	0.247	0.913 (0.714-1.062)	0.156	1.974 (1.05-5.271)	0.0895
BLUE C10	0.938 (0.655-1.228)	0.521	1.01 (0.77-1.26)	0.908	1.62 (1.236-2.202)	0.00162	2.535 (1.786-4.786)	0.0023	0.911 (0.713-1.3)	0.362	6.499 (4.353-8.754)	1.81E-05
BLUE C12	0.831 (0.686-0.977)	0.0415	0.734 (0.458-1.633)	0.164	1.311 (0.773-1.76)	0.377	1.541 (1.3-1.716)	0.00015	0.711 (0.367-1.379)	0.697	2.471 (1.586-3.996)	0.00384
BLUE C5	1.078 (0.776-1.83)	0.579	0.907 (0.602-1.214)	0.384	1.367 (1.119-1.674)	0.00459	1.525 (0.964-2.247)	0.0238	1.146 (0.597-1.821)	0.602	2.99 (1.986-4.381)	0.000198
BLUE C7	1.042 (0.676-1.941)	0.865	0.788 (0.543-1.01)	0.0621	0.352 (0.167-0.705)	0.0656	0.336 (0.101-0.847)	0.0682	1.725	No reps.	0.083 (0.0461-0.156)	0.00434
BLUE C8	2.307 (1.359-4.453)	0.0619	0.918 (0.475-1.367)	0.822	0.481	No reps.	0.427 (0.238-0.525)	0.00495	NO DATA	NO DATA	0.349 (0.257-0.491)	0.00548
BLUE D10	1.035 (0.724-1.78)	0.911	0.697 (0.565-0.876)	0.0117	0.269 (0.0869-0.542)	0.0207	0.241 (0.11-0.308)	0.00033	0.677 (0.635-0.722)	0.104	0.0976 (0.0532-0.16)	0.000485
BLUE D11	3.618 (1.822-12.91)	0.181	0.87 (0.447-1.544)	0.543	0.222 (0.123-0.472)	0.0632	0.263 (0.118-0.414)	0.00166	NO DATA	NO DATA	0.162 (0.114-0.193)	0.000646
BLUE D5	0.916 (0.772-1.277)	0.298	0.885 (0.594-1.234)	0.288	1.028 (0.706-1.398)	0.84	1.032 (0.878-1.209)	0.654	0.763 (0.294-1.383)	0.49	2.417 (1.765-3.199)	0.000323
BLUE D6	1.515 (0.659-3.565)	0.173	1.108 (0.85-1.47)	0.496	0.302 (0.188-0.486)	0.24	0.497 (0.339-0.594)	0.0029	1.28	No reps.	0.39 (0.285-0.452)	3.65E-05
BLUE D7	0.809 (0.713-1.155)	0.0336	1.018 (0.586-1.499)	0.913	2.418 (1.372-4.005)	0.105	1.835 (1.634-2.248)	4.65E-05	0.902 (0.754-1.158)	0.359	1.968 (1.281-3.291)	0.0193
BLUE D8	0.882 (0.777-1.055)	0.0616	0.87 (0.776-0.976)	0.0128	1.02 (0.888-1.257)	0.687	0.995 (0.879-1.309)	0.94	1 (0.812-1.31)	0.997	0.667 (0.46-0.857)	0.0144
BLUE D9	1.185 (1.016-1.597)	0.0635	3.127 (2.407-3.652)	1.48E-05	1.088 (0.471-2.046)	0.759	0.8 (0.484-1.046)	0.121	0.949 (0.605-1.507)	0.703	0.777 (0.422-1.283)	0.248
BLUE E11	0.984 (0.387-1.37)	0.937	1.334 (0.937-1.843)	0.202	0.336 (0.0737-0.696)	0.0503	0.194 (0.0617-0.522)	0.00593	0.636	No reps.	0.0862 (0.0478-0.116)	0.000165
BLUE E2	1.398 (0.623-2.145)	0.315	1.287 (0.827-2.541)	0.235	0.189 (0.0547-0.442)	0.0255	0.112 (0.01-0.457)	0.0144	0.626 (0.455-0.971)	0.0755	0.0753 (0.0349-0.12)	0.000284
BLUE E3	1.904 (1.081-2.679)	0.0464	1.323 (0.529-2.01)	0.435	0.343 (0.0744-0.72)	0.0444	0.237 (0.107-0.427)	0.0052	1.06 (0.607-1.852)	0.933	0.206 (0.106-0.376)	0.000294
BLUE E6	1.173 (0.964-1.37)	0.0328	1.411 (0.91-2.107)	0.0514	2.437 (2.196-2.748)	0.00533	2.317 (1.739-3.774)	0.000586	1.44 (0.782-2.392)	0.381	3.813 (2.39-7.122)	0.0123
BLUE E8	1.444 (1.152-1.728)	0.0299	1.544 (0.828-2.784)	0.106	0.642 (0.191-6.168)	0.455	0.24 (0.0881-0.364)	0.00523	1.778 (1.041-5)	0.381	0.121 (0.0706-0.192)	0.000193
BLUE F11	1.7 (1.02-2.627)	0.0953	1.944 (0.897-3.027)	0.0379	1.104 (0.662-1.558)	0.624	0.682 (0.248-0.846)	0.118	NO DATA	NO DATA	0.654 (0.46-1.106)	0.0528
BLUE F2	0.804 (0.577-1.104)	0.134	1.476 (1.024-2.259)	0.0182	0.824 (0.537-1.191)	0.39	0.672 (0.406-0.933)	0.0365	0.788	No reps.	0.522 (0.341-0.861)	0.00394
BLUE F3	2.374 (2.053-2.591)	0.00707	2.403 (1.595-3.621)	0.278	0.456 (0.358-0.58)	0.19	0.733 (0.369-1.039)	0.276	NO DATA	NO DATA	0.441 (0.349-0.559)	0.00103
BLUE F8	0.803 (0.495-1.056)	0.143	1.038 (0.511-1.628)	0.901	0.555 (0.302-1.296)	0.152	0.385 (0.129-0.563)	0.00809	1.418 (1.304-1.543)	0.151	0.205 (0.134-0.282)	8.59E-05
BLUE G3	0.894 (0.709-1.126)	0.184	1.17 (0.799-1.799)	0.342	0.548 (0.242-1.098)	0.306	0.706 (0.468-1.671)	0.122	NO DATA	NO DATA	0.342 (0.25-0.666)	0.00343

BLUE G4	1.983 (1.344-2.375)	0.0136	1.123 (0.68-2.117)	0.762	0.38 (0.114-1.182)	0.171	0.257 (0.111-0.499)	0.00397	NO DATA	NO DATA	0.202 (0.128-0.284)	0.000515
BLUE G8	1.2 (0.613-1.915)	0.385	1.204 (0.785-2.582)	0.424	0.428 (0.277-0.806)	0.0362	0.444 (0.164-0.972)	0.0212	NO DATA	NO DATA	0.296 (0.248-0.371)	6.84E-06
BLUE H10	0.845 (0.474-1.411)	0.648	0.899 (0.595-1.361)	0.84	0.242 (0.0919-0.667)	0.0749	0.222 (0.118-0.348)	0.00246	1.468 (1.068-2.019)	0.441	0.122 (0.0688-0.199)	4.39E-05
BLUE H11	0.518 (0.412-0.647)	0.00024	0.477 (0.383-0.564)	7.61E-05	1.136 (0.321-4.444)	0.766	1.494 (0.956-2.199)	0.0735	1.243 (0.574-3.11)	0.616	2.892 (2.305-3.303)	1.09E-05
BLUE H2	1.006 (0.697-1.632)	0.97	0.937 (0.733-1.672)	0.683	2.938 (1.728-8.042)	0.00492	2.418 (1.621-4.238)	0.00125	1.075 (0.858-1.235)	0.591	3.448 (2.27-5.722)	0.00858
BLUE H5	0.915 (0.627-1.429)	0.607	1.057 (0.607-1.397)	0.743	1.583 (1.414-1.771)	0.153	2.577 (1.348-4.172)	0.0278	NO DATA	NO DATA	2.586 (1.935-2.992)	0.0226
BLUE H8	1.055 (0.869-1.334)	0.517	0.958 (0.854-1.105)	0.353	0.989 (0.926-1.037)	0.631	0.91 (0.847-0.96)	0.00334	1.261 (1.012-1.552)	0.0389	0.148 (0.0693-0.245)	0.00295
BLUE H9	0.879 (0.693-1.057)	0.122	1.012 (0.769-1.618)	0.926	1.165 (0.933-1.765)	0.253	1.447 (1.21-1.649)	0.00266	0.828 (0.411-1.184)	0.307	3.633 (3.07-4.832)	8.46E-06
C A10	1.123 (0.773-1.509)	0.305	0.916 (0.672-1.186)	0.402	1.368 (0.524-3.655)	0.332	1.537 (0.511-2.303)	0.197	0.962 (0.579-1.35)	0.837	5.981 (3.276-10.62)	0.00016
C A2	0.934 (0.618-1.479)	0.599	0.837 (0.641-1.093)	0.0638	1.14 (0.963-1.315)	0.0379	1.457 (0.862-1.857)	0.0375	0.839 (0.493-1.448)	0.495	5.845 (2.733-8.546)	0.00022
C A6	1.032 (0.554-1.521)	0.829	1.036 (0.76-1.67)	0.819	1.481 (1.026-2.534)	0.0548	2.167 (1.715-2.995)	0.000632	0.795 (0.425-1.124)	0.211	14.58 (6.761-35)	0.0013
C B2	1.003 (0.713-1.667)	0.985	1.251 (0.759-1.475)	0.149	1.698 (0.831-3.41)	0.324	1.906 (1.428-2.34)	0.00247	0.652	No reps.	3.072 (2.096-4.259)	9.77E-05
C B4	0.815 (0.421-1.227)	0.281	1.972 (1.31-3.193)	0.00566	0.781 (0.446-1.422)	0.272	0.968 (0.697-1.172)	0.717	0.514 (0.339-0.923)	0.0126	1.741 (0.95-2.578)	0.0231
C B8	0.88 (0.488-1.233)	0.375	1.292 (0.975-1.799)	0.0296	1.516 (0.957-2.342)	0.0203	1.82 (1.139-2.955)	0.00532	2.037 (0.712-4.777)	0.331	5 (2.227-10.91)	0.00264
C B9	1.136 (1.01-1.532)	0.0972	2.002 (1.547-2.559)	0.000317	0.92 (0.545-1.415)	0.632	0.774 (0.496-1.097)	0.0992	0.659 (0.352-1.354)	0.0825	9.65 (1.584-302.5)	0.0465
C D3	1.243 (0.895-1.818)	0.0856	1.083 (0.841-1.486)	0.463	1.157 (0.929-1.431)	0.0679	1.967 (1.059-3.739)	0.0105	0.9 (0.651-1.152)	0.342	6.796 (5.175-9.128)	1.50E-05
C E2	0.771 (0.415-1.589)	0.283	0.836 (0.591-1.57)	0.469	1.478 (1.125-1.941)	0.389	2.088 (1.009-3.056)	0.00826	NO DATA	NO DATA	4.467 (4.266-4.677)	0.0195
C E4	0.906 (0.696-1.076)	0.535	0.83 (0.617-1.287)	0.494	0.01*	No reps.	2.043 (1.944-2.253)	0.00463	NO DATA	NO DATA	1.552 (0.831-2.876)	0.345
C E6	1.168 (1.058-1.285)	0.00372	0.921 (0.498-1.604)	0.681	0.997 (0.711-1.238)	0.973	1.422 (1.057-2.004)	0.0218	0.888 (0.574-1.251)	0.386	3.798 (2.782-5.315)	5.47E-05
C E8	1.102 (0.82-1.527)	0.382	1.161 (0.659-1.507)	0.276	1.981 (1.457-2.678)	0.00523	2.223 (0.897-3.26)	0.00923	1.525	No reps.	5.182 (1.441-11.45)	0.00295
C E9	1.437 (1.108-1.956)	0.00629	1.543 (1.017-2.082)	0.0145	1.701 (1.079-2.717)	0.00935	2.235 (1.543-2.588)	0.000145	1.327 (0.207-2.633)	0.51	5.087 (3.376-8.877)	0.00012
C F5	0.65 (0.352-1.112)	0.117	0.886 (0.629-1.317)	0.325	0.658 (0.172-2.306)	0.357	0.933 (0.88-1.048)	0.0492	0.01*	No reps.	0.762 (0.417-1.156)	0.125
C F6	1.752 (1.233-4.153)	0.0286	1.361 (1.229-1.723)	0.00168	1.973 (1.293-3.01)	0.354	1.5 (0.928-1.852)	0.0874	0.912 (0.621-1.338)	0.849	6.555 (3.861-9.221)	0.0198
C G10	1.113 (0.988-1.265)	0.0602	0.94 (0.677-1.242)	0.564	0.862 (0.67-1.004)	0.0683	0.966 (0.757-1.254)	0.721	0.931 (0.487-1.45)	0.735	1.768 (1.229-2.812)	0.0117
C G11	0.962 (0.622-1.29)	0.723	1.273 (0.97-1.641)	0.0288	1.136 (0.931-1.302)	0.0505	1.374 (1.037-1.899)	0.0171	1.061 (0.745-1.371)	0.599	3.238 (2.219-4.429)	0.000162

C G3	0.904 (0.61-1.538)	0.561	0.9 (0.642-1.992)	0.632	0.438 (0.252-0.637)	0.0995	0.393 (0.332-0.5)	3.05E-05	1.153 (0.396-3.445)	0.706	0.334 (0.285-0.407)	0.000877
C G9	0.587 (0.396-1.239)	0.0243	0.473 (0.296-1.23)	0.0463	1.027 (0.692-1.739)	0.912	1.872 (1.417-2.555)	0.000981	1.071 (0.636-1.538)	0.763	1.622 (1.353-1.846)	0.000126
C H10	1.181 (1.049-1.317)	0.00665	0.972 (0.781-1.145)	0.652	0.991 (0.749-1.222)	0.918	1.032 (0.8-1.38)	0.724	0.895 (0.41-1.407)	0.551	3.749 (1.406-21.22)	0.0879
C H2	1.561 (1.238-2.478)	0.00919	1.447 (1.015-1.867)	0.01	2.228 (0.864-4.329)	0.0392	3.093 (1.913-7.714)	0.132	1.384 (1.063-1.874)	0.0761	5.318 (1.82-14.31)	0.00195
CC A5	1.331 (1.11-1.759)	0.014	3.036 (2.015-5.357)	0.0037	1.046 (0.848-1.407)	0.705	1.53 (0.511-2.788)	0.168	0.847 (0.496-1.391)	0.34	22.23 (3.638-87.69)	0.00109
CC B3	1.261 (0.907-2.784)	0.446	0.802 (0.361-1.287)	0.418	0.144 (0.0816-0.254)	0.182	0.252 (0.0754-0.461)	0.00586	NO DATA	NO DATA	0.225 (0.148-0.308)	7.75E-05
CC C1	2.055 (1.638-2.733)	0.041	1.45 (0.487-2.249)	0.383	0.345 (0.199-1.03)	0.191	0.324 (0.222-0.734)	0.00228	NO DATA	NO DATA	0.375 (0.335-0.431)	0.0056
CC F2	1.231 (0.437-2.388)	0.456	1.199 (0.75-1.556)	0.353	0.637 (0.262-1.401)	0.217	0.381 (0.13-0.711)	0.0184	5.347	No reps.	0.491 (0.302-0.608)	0.00579
CC F3	1.712 (1.203-3.543)	0.0511	1.857 (1.63-2.116)	0.132	1.372 (0.918-2.904)	0.488	0.423 (0.233-0.693)	0.00817	NO DATA	NO DATA	0.539 (0.398-0.962)	0.00417
CC G8	2.107 (1.358-3.27)	0.339	0.509 (0.28-0.664)	0.0441	0.355 (0.265-0.476)	0.176	0.579 (0.475-0.758)	0.00512	NO DATA	NO DATA	0.41 (0.276-0.548)	0.00229
CC H3	1.983 (1.376-3.363)	0.0152	1.797 (1.003-3.208)	0.0342	4.051 (1.885-14)	0.155	1.43 (0.927-2.831)	0.138	52.5	No reps.	2.456 (1.022-4.654)	0.0704
CCC A8	1.33 (0.941-1.523)	0.0111	1.317 (0.686-2.026)	0.172	2.07 (1.543-3.328)	0.0935	2.593 (2.068-4.533)	0.000512	0.881 (0.813-0.954)	0.357	6.319 (2.886-17.5)	0.00566
CCC B8	0.783 (0.579-0.898)	0.019	0.804 (0.71-0.866)	0.000982	1.052 (0.904-1.365)	0.56	1.214 (0.911-1.597)	0.0785	1.063 (0.661-1.874)	0.705	6.7 (2.334-57.53)	0.0269
CCC C4	1.967 (1.57-2.615)	0.0024	1.513 (1.339-1.818)	0.0475	0.613 (0.357-1.369)	0.355	0.665 (0.61-0.715)	7.24E-06	3	No reps.	0.461 (0.392-0.535)	2.60E-05
CCC D12	1.137 (0.813-1.389)	0.307	1.152 (0.733-1.827)	0.408	1.809 (0.51-4.108)	0.167	1.474 (1.163-2.882)	0.0381	0.757 (0.745-0.769)	0.0348	4.043 (2.42-9.312)	0.00178
CCC D2	1.806 (0.749-3.626)	0.086	1.666 (1.195-2.194)	0.00289	0.882 (0.377-2.858)	0.817	0.867 (0.586-1.292)	0.362	3.777 (3.5-4.075)	0.0364	0.647 (0.477-0.974)	0.00679
CCC D4	1.482 (1.171-2.044)	0.0429	1.226 (0.679-1.779)	0.289	1.611 (1.525-1.659)	0.00333	1.705	No reps.	0.01*	No reps.	1.499 (0.759-2.187)	0.107
CCC D9	0.947 (0.71-1.134)	0.465	0.836 (0.575-1.009)	0.0943	1.104 (0.776-1.4)	0.379	1.267 (0.815-2.326)	0.268	0.726 (0.281-1.385)	0.214	7.078 (3.51-20.99)	0.00339
CCC E11	1.662 (1.315-1.901)	0.0496	1.56 (1.174-2.186)	0.0188	0.01*	No reps.	1.077 (0.723-1.748)	0.708	NO DATA	NO DATA	0.543 (0.391-0.793)	0.097
CCC E7	1.413 (1.228-1.617)	0.000973	1.295 (1.111-1.403)	0.000905	1.216 (1.011-1.53)	0.0638	1.578 (1.359-2.01)	0.000731	1.48 (0.955-2.323)	0.0373	4.917 (3.281-8.317)	9.15E-05
CCC E9	1.673 (1.511-2.176)	0.00153	1.503 (1.1-1.747)	0.00811	1.319 (0.767-1.983)	0.142	1.567 (1.214-1.827)	0.00145	1.233 (0.732-1.625)	0.269	3.485 (2.921-4.373)	3.96E-06
CCC F11	1.507 (1.037-2.015)	0.0937	1.185 (0.82-1.635)	0.316	0.37	No reps.	0.641 (0.247-1.061)	0.163	5.5	No reps.	0.705 (0.452-1.212)	0.0486
CCC F12	1.31 (1-2)	0.334	NO DATA	NO DATA	NO DATA	NO DATA	0.637 (0.474-0.756)	0.0217	2.12	No reps.	0.448 (0.299-0.692)	0.00652
CCC F6	1.673 (1.316-2.058)	0.000827	1.591 (1.312-1.979)	0.000614	0.966 (0.606-1.623)	0.84	0.989 (0.869-1.089)	0.757	0.948 (0.631-1.386)	0.738	1.282 (0.799-1.702)	0.145
CCC F7	1.234 (0.738-1.43)	0.099	1.456 (1.192-1.792)	0.00119	1.304 (0.869-2.14)	0.122	1.681 (1.477-1.841)	1.96E-05	1.285 (0.997-2.089)	0.097	4.397 (3.02-7.443)	0.000645

CCC G10	1.873 (0.92-3.5)	0.111	1.898 (1.405-2.564)	0.279	0.474	No reps.	0.589 (0.374-0.855)	0.00548	NO DATA	NO DATA	0.457 (0.328-0.794)	0.0124
CCC G2	0.83 (0.621-1.216)	0.251	0.929 (0.618-1.589)	0.658	0.457 (0.257-0.817)	0.0776	0.394 (0.193-0.519)	0.00196	1.718 (0.664-4.443)	0.671	0.295 (0.237-0.342)	3.50E-06
CCC H1	1.026 (0.795-1.191)	0.706	0.878 (0.723-1.083)	0.0963	0.955 (0.87-1.084)	0.313	1.097 (0.817-1.523)	0.477	0.734 (0.369-1.438)	0.241	2.82 (1.652-4.852)	0.024
CCC H10	1.477 (0.662-2.239)	0.433	1.24 (0.996-1.639)	0.0896	0.142 (0.112-0.181)	0.0782	0.302 (0.173-0.519)	0.00139	1.849 (0.83-4.116)	0.583	0.179 (0.151-0.216)	1.46E-06
CCC H12	0.969 (0.874-1.097)	0.431	0.992 (0.884-1.18)	0.861	1.129 (0.718-1.652)	0.451	1.214 (0.837-2.158)	0.378	0.73 (0.484-1.058)	0.0699	28.44 (8.761-157)	0.00155
CCC H2	1.964 (1.619-2.318)	0.000499	1.513 (1.17-2.216)	0.00476	1.129 (0.701-1.677)	0.513	1.534 (1.361-1.926)	0.000538	1.154 (0.789-1.573)	0.397	3.43 (2.787-3.87)	2.15E-06
CCC H7	1.795 (1.555-2.219)	0.000125	0.994 (0.603-1.502)	0.978	29	No reps.	2.284 (1.749-3.838)	0.0208	3.594	No reps.	3.517 (1.214-8.501)	0.0059
D B12	1.155 (1.055-1.369)	0.231	2.496 (0.134-4.328)	0.196	1.887 (1.224-2.62)	0.00241	1.618 (0.82-2.571)	0.0756	1.055 (0.627-1.84)	0.78	6.515 (4.378-15.86)	0.000185
D B4	1.071 (0.799-1.574)	0.579	0.92 (0.598-1.236)	0.54	1.434 (1.07-2.242)	0.0427	1.862 (1.42-2.523)	0.000856	2.128	No reps.	2.552 (1.553-5.593)	0.00394
D B7	1.029 (0.85-1.324)	0.711	0.761 (0.579-0.896)	0.00733	0.921 (0.773-1.128)	0.212	0.898 (0.774-1.258)	0.208	0.824 (0.543-1.29)	0.249	3.798 (1.224-23.06)	0.0807
D B8	0.82 (0.807-0.832)	0.0493	0.766 (0.612-1.033)	0.0591	1.493 (1.079-1.825)	0.044	0.908 (0.731-1.236)	0.249	0.83 (0.827-0.833)	0.0128	1.141 (0.999-1.504)	0.143
D C10	0.727 (0.241-1.201)	0.232	0.591 (0.229-1.203)	0.0857	2.187 (1.32-3.611)	0.00829	1.524 (1.043-3.156)	0.0657	1.186 (0.819-1.544)	0.465	2.676 (1.905-5.012)	0.00135
D C5	0.777 (0.629-0.928)	0.0215	0.767 (0.515-1.101)	0.134	1.157 (0.795-1.896)	0.397	1.648 (1.245-2.154)	0.00452	1.059 (0.894-1.283)	0.64	3.976 (2.998-6.855)	0.000978
D C7	0.838 (0.612-1.416)	0.244	0.775 (0.555-1.03)	0.0748	0.899 (0.67-1.066)	0.388	1.846 (1.355-3.2)	0.00428	0.717 (0.309-1.167)	0.338	1.801 (1.003-2.991)	0.0283
D D10	NO DATA	NO DATA	1.469 (0.995-2.208)	0.0271	1.282 (0.974-1.522)	0.0293	2.061 (1.37-3.09)	0.00106	1.087 (0.982-1.162)	0.067	30.5 (13.14-100)	0.00023
D D12	1.259 (0.891-1.447)	0.027	1.744 (1.075-2.294)	0.01	1.463 (0.691-2.817)	0.155	1.076 (0.824-1.559)	0.491	1.492 (1.253-1.955)	0.00542	7.955 (3.323-26.73)	0.00303
D D3	0.833 (0.692-1.123)	0.0526	0.82 (0.546-1.144)	0.229	0.991 (0.724-1.558)	0.944	1.769 (1.093-3.219)	0.0124	0.805 (0.236-2.12)	0.489	18.83 (7.053-87)	0.00537
D D4	0.742 (0.641-0.953)	0.0129	1.203 (1.006-1.636)	0.0496	1.335 (0.552-2.16)	0.414	1.981 (1.314-3.009)	0.00895	0.516 (0.344-1.038)	0.2	4.276 (3.083-7.805)	0.000106
D D6	0.795 (0.378-1.532)	0.323	1.484 (0.945-2.226)	0.127	1.607 (0.971-2.266)	0.0157	1.938 (0.881-3.096)	0.0178	1.197 (1.091-1.261)	0.0118	8.786 (6.29-18.2)	3.52E-05
D D7	0.855 (0.479-1.302)	0.345	1.431 (1.12-2.071)	0.016	2.324 (1.187-7.217)	0.0241	1.718 (0.495-3.813)	0.353	1.339 (0.739-2.077)	0.297	4.983 (4.12-6.087)	0.000668
D D8	1.266 (1.086-1.874)	0.0396	1.321 (0.983-1.712)	0.021	2.126 (1.588-3.278)	0.00138	1.312 (0.554-2.317)	0.438	1.015 (0.582-1.674)	0.938	16.56 (10.75-33.4)	2.45E-05
D D9	1.117 (0.905-1.431)	0.175	1.145 (0.617-1.582)	0.396	1.565 (0.888-1.903)	0.0115	1.953 (1.317-2.548)	0.00103	0.697 (0.367-1.121)	0.0681	5.55 (3.801-8.584)	4.01E-05
D E1	1.153 (0.927-1.481)	0.104	2.147 (1.41-2.652)	0.000422	1.291 (0.8-2.07)	0.19	1.039 (0.777-1.455)	0.68	1.387 (1.109-2.545)	0.0538	3.245 (1.822-6.148)	0.0015
D E10	1.012 (0.95-1.09)	0.583	0.883 (0.633-1.269)	0.398	1.134 (0.924-1.545)	0.237	1.67 (1.207-2.352)	0.00815	0.979 (0.742-1.194)	0.796	20.14 (6.637-82.65)	0.00082
D E11	0.613 (0.422-0.81)	0.00372	0.961 (0.4-2.244)	0.882	0.957 (0.829-1.183)	0.461	1.035 (0.938-1.188)	0.339	1.121 (0.753-1.427)	0.626	2.954 (1.263-6.343)	0.00936

D E3	0.969 (0.663-1.386)	0.81	1.731 (1.143-2.589)	0.00477	2.08 (1.512-2.978)	0.0033	1.393 (0.16-3.239)	0.577	2.035 (1.026-4.816)	0.0241	8.917 (4.57-20.46)	0.000938
D E5	1.974 (1.285-2.721)	0.00203	1.53 (1.093-2.112)	0.0069	2.987 (1.173-8.695)	0.0764	1.724 (0.523-2.891)	0.0829	2.059 (0.934-6.224)	0.0926	15.55 (11.71-28.63)	4.01E-06
D F12	0.871 (0.622-1.558)	0.683	0.545 (0.524-0.568)	0.0425	0.01*	No reps.	1.069 (0.663-1.474)	0.684	NO DATA	NO DATA	1.931 (1.032-4.486)	0.125
D F3	0.651 (0.422-0.997)	0.0282	0.78 (0.372-1.555)	0.377	1.517 (0.743-2.856)	0.0777	1.043 (0.862-1.771)	0.729	1.26 (0.831-1.965)	0.233	2.328 (1.626-3.765)	0.00128
D H11	0.559 (0.348-0.833)	0.0141	1.2 (0.504-2.202)	0.429	0.843 (0.672-1.277)	0.203	1.134 (0.763-1.44)	0.283	1.149 (0.476-2.092)	0.609	4.438 (2.408-7.071)	0.000267
DDD B3	0.841 (0.451-1.005)	0.23	0.86 (0.687-1.005)	0.0426	0.99 (0.895-1.213)	0.831	1.018 (0.802-1.217)	0.781	1.099 (0.696-1.513)	0.459	2.689 (1.23-8.32)	0.0638
DDD C11	1.213 (0.816-1.861)	0.247	1.111 (0.597-1.605)	0.68	8.196 (4.071-16.5)	0.204	1.26 (0.646-2.926)	0.304	NO DATA	NO DATA	0.877 (0.642-1.712)	0.642
DDD C4	1.322 (0.844-2.071)	0.394	0.933	No reps.	4.115 (1.675-5.283)	0.145	1.121 (0.889-2.105)	0.517	9	No reps.	0.913 (0.732-1.184)	0.365
DDD D6	1.182 (0.989-1.737)	0.182	1.504 (1.02-1.702)	0.0144	2.541 (1.06-4.255)	0.0654	2.781 (1.881-4.81)	0.00545	1.337 (0.752-2.861)	0.54	4.947 (2.886-11.76)	0.00367
DDD D9	0.955 (0.735-1.363)	0.769	0.512 (0.438-0.621)	0.000761	2.056 (0.999-7.203)	0.194	1.646 (1.152-2.063)	0.00662	NO DATA	NO DATA	1.68 (1.093-2.435)	0.0126
DDD E10	0.934 (0.611-1.12)	0.508	1.355 (1.081-1.908)	0.0255	2.087 (1.19-3.924)	0.00891	1.858 (1.433-2.54)	0.000435	1.509 (0.553-4.893)	0.24	6.102 (3.648-9.136)	3.82E-05
DDD E4	1.049 (0.768-1.351)	0.583	1.129 (0.909-1.813)	0.396	1.355 (0.916-1.719)	0.0178	1.654 (0.984-2.413)	0.00823	1.094 (1.04-1.188)	0.163	5.786 (3.75-8.648)	0.000361
DDD E8	1.161 (0.769-1.568)	0.241	1.236 (0.995-1.567)	0.0471	3.025	No reps.	2.022 (1.461-2.534)	0.000505	NO DATA	NO DATA	2.652 (1.665-4.767)	0.0337
DDD F5	1.457 (1.17-1.988)	0.00505	1.546 (1.299-1.77)	0.00113	1.629 (1.357-2.201)	0.0208	1.684 (1.154-2.196)	0.00312	1.508 (1.313-1.731)	0.207	3.26 (2.189-4.729)	0.00158
DDD H5	0.606 (0.519-0.81)	0.00339	0.405 (0.205-0.676)	0.00753	0.893 (0.22-3.544)	0.812	1.093 (0.782-1.454)	0.564	0.783 (0.34-1.549)	0.492	2.76 (2.033-3.272)	5.10E-05
E A11	1.439 (1.227-1.668)	0.000771	1.259 (0.937-1.585)	0.0684	0.835 (0.603-1.23)	0.26	0.915 (0.856-1.015)	0.0139	1.211 (0.784-1.593)	0.188	0.637 (0.412-0.856)	0.0195
E A12	1.118 (0.951-1.457)	0.145	1.868 (1.382-2.493)	0.000969	1.146 (0.689-1.563)	0.428	1.161 (0.984-1.581)	0.0749	1.011 (0.741-1.225)	0.904	23.76 (4.804-164)	0.00151
E A6	0.657 (0.496-0.97)	0.0117	0.468 (0.342-0.673)	0.00143	1.104 (0.267-3.866)	0.824	1.712 (1.155-2.756)	0.00993	1.277 (1.003-1.698)	0.253	2.656 (1.39-3.846)	0.0015
E B4	1.232 (0.655-2.499)	0.422	0.68 (0.302-0.944)	0.251	3.256 (2.5-4.894)	0.0294	1.613 (0.723-2.103)	0.0776	0.01*	No reps.	1.981 (1.767-2.221)	0.105
E C11	0.972 (0.64-1.537)	0.844	1.152 (1.035-1.341)	0.0353	1.116 (0.878-1.495)	0.301	1.132 (0.697-2.735)	0.627	1.261 (1.092-1.462)	0.0155	4.661 (1.789-8.564)	0.00117
E C3	0.725 (0.383-1.362)	0.153	0.814 (0.694-1.277)	0.147	1.476 (0.983-1.932)	0.0729	1.615 (1.178-2.58)	0.00841	5.273	No reps.	0.928 (0.636-1.474)	0.7
E C4	0.534 (0.347-0.995)	0.00996	0.527 (0.225-1.009)	0.0488	0.9 (0.443-1.294)	0.567	0.896 (0.842-1.1)	0.0451	NO DATA	NO DATA	1.599 (0.958-4.448)	0.0995
E C6	1.074 (0.598-1.476)	0.703	0.948 (0.537-1.992)	0.779	1.557 (0.791-3.178)	0.385	0.894 (0.516-1.77)	0.749	0.01*	No reps.	0.763 (0.708-0.882)	0.0132
E D1	0.916 (0.746-1.03)	0.227	0.818 (0.649-1.169)	0.139	1.338 (0.825-2.7)	0.212	1.775 (1.146-2.601)	0.00846	0.513 (0.408-0.563)	0.00315	5.553 (3.609-8.851)	7.09E-05
E D10	1.217 (0.913-1.536)	0.0517	0.986 (0.636-1.59)	0.934	1.358 (0.849-2.079)	0.0861	1.663 (0.888-2.304)	0.0152	0.73 (0.551-0.993)	0.036	4.45 (3.725-5.148)	1.79E-06

E D8	1.103 (0.779-1.621)	0.435	2.061 (1.513-2.639)	0.000707	1.542 (0.586-2.818)	0.0991	1.865 (1.024-3.328)	0.0138	1.151 (0.995-1.822)	0.29	44.38 (22.72-129)	0.000658
E E12	1.102 (0.794-1.539)	0.322	0.902 (0.587-1.344)	0.517	1.145 (0.862-1.386)	0.126	1.681 (1.194-2.67)	0.00787	0.919 (0.647-1.199)	0.444	10.48 (6.601-22.8)	0.000104
E E2	0.809 (0.627-1.064)	0.0785	0.988 (0.829-1.339)	0.882	1.2 (0.764-2.063)	0.295	1.929 (1.358-2.883)	0.0054	0.66 (0.55-0.859)	0.0049	10.47 (7.391-23.78)	0.00048
E E6	1.184 (1-1.452)	0.261	0.676 (0.578-0.789)	0.24	0.01*	No reps.	1.542 (1.367-1.891)	0.00905	6.5	No reps.	1.582 (0.964-2.687)	0.122
E E9	0.523 (0.348-0.775)	0.00687	0.595 (0.339-0.902)	0.0515	0.874 (0.619-1.203)	0.195	0.967 (0.68-1.287)	0.733	0.618 (0.499-0.974)	0.0544	2.09 (0.921-4.712)	0.0343
E F1	0.983 (0.731-1.746)	0.915	0.627 (0.606-0.648)	0.0451	0.01*	No reps.	0.621 (0.323-0.988)	0.0592	NO DATA	NO DATA	0.602 (0.44-1.018)	0.0121
E G2	0.921 (0.649-1.195)	0.357	0.878 (0.637-1.276)	0.429	1.405 (0.979-2.03)	0.106	1.747 (1.299-3.107)	0.00829	0.805 (0.401-1.28)	0.335	2.651 (1.415-4.498)	0.00172
E G4	1.134 (0.722-1.797)	0.348	0.598 (0.396-0.968)	0.0305	1.689 (0.756-3)	0.171	1.478 (1.175-2.089)	0.00643	2.068	No reps.	1.148 (0.843-1.555)	0.371
E G7	0.926 (0.647-1.812)	0.759	1.426 (0.976-2.109)	0.252	0.804	No reps.	0.463 (0.321-0.635)	0.00061	3.296 (2.717-3.998)	0.102	0.672 (0.261-1.893)	0.466
E H12	1.708 (0.672-4.342)	0.669	1.125	No reps.	0.01*	No reps.	0.901 (0.629-1.581)	0.64	0.795	No reps.	1.05 (0.805-1.488)	0.703
E H3	0.581 (0.509-0.762)	0.000272	0.692 (0.484-0.889)	0.0122	1.009 (0.501-1.945)	0.968	1.351 (0.945-2.245)	0.119	0.754 (0.0493-1.592)	0.51	3.918 (2.667-5.057)	2.56E-05
EE A11	1.262 (0.72-1.688)	0.206	0.876 (0.463-1.719)	0.564	0.56 (0.443-0.701)	0.000504	0.476 (0.372-0.645)	0.000942	1.232 (0.948-1.489)	0.035	0.173 (0.0922-0.383)	0.00045
EE A12	1.469 (0.988-2.626)	0.0849	1.072 (0.807-1.582)	0.655	0.315 (0.169-0.545)	0.000996	0.264 (0.137-0.547)	0.000971	0.935 (0.628-1.23)	0.771	0.146 (0.0624-0.61)	0.00237
EE A8	1.66 (1.114-3.358)	0.0314	1.388 (0.843-2.168)	0.0621	0.441 (0.204-1.115)	0.0579	0.487 (0.27-0.617)	0.00918	1.519 (1-2)	0.07	0.558 (0.442-0.715)	0.000471
EE A9	1.708 (1.074-2.513)	0.00578	1.106 (0.7-1.803)	0.541	0.425 (0.25-0.735)	0.0051	0.503 (0.27-0.643)	0.00293	0.693 (0.01-1.503)	0.621	0.643 (0.488-0.955)	0.0171
EE B1	1.065 (0.825-1.338)	0.372	0.886 (0.641-1.237)	0.433	1.12 (0.702-1.552)	0.397	1.609 (1.233-2.663)	0.0205	0.768 (0.336-1.275)	0.263	12.24 (5.919-27.79)	0.000207
EE B3	1.346 (0.65-2.028)	0.197	1.362 (1.084-1.66)	0.0129	0.718 (0.427-1.114)	0.128	0.787 (0.685-0.942)	0.00721	0.78 (0.669-1.094)	0.0546	0.458 (0.218-0.718)	0.0165
EE B6	1.172 (0.985-1.36)	0.0194	1.213 (0.974-1.556)	0.0561	0.909 (0.677-1.185)	0.274	0.816 (0.562-0.971)	0.0587	0.92 (0.51-1.296)	0.563	0.434 (0.141-0.914)	0.0605
EE B7	1.427 (0.761-3.606)	0.282	0.982 (0.618-1.326)	0.902	0.458 (0.234-0.857)	0.0732	0.396 (0.18-0.639)	0.0123	NO DATA	NO DATA	0.386 (0.303-0.441)	0.00148
EE B9	1.403 (0.845-2.604)	0.134	0.821 (0.5-1.393)	0.305	0.407 (0.287-0.666)	0.071	0.382 (0.192-0.534)	0.0022	1.257 (0.85-1.857)	0.663	0.287 (0.193-0.392)	4.42E-05
EE C10	1.017 (0.742-1.711)	0.897	1.131 (0.819-1.403)	0.257	0.61 (0.507-0.698)	0.00605	0.965 (0.734-1.488)	0.806	1.016 (0.634-1.399)	0.953	0.448 (0.329-0.733)	0.0013
EE C2	1.015 (0.918-1.171)	0.768	0.768 (0.385-1.566)	0.376	0.675 (0.453-1.087)	0.172	0.363 (0.319-0.438)	5.74E-06	1.957	No reps.	0.321 (0.236-0.377)	1.96E-05
EE C4	1.743 (0.977-2.423)	0.0316	0.977 (0.756-1.203)	0.826	0.619 (0.559-0.664)	0.00118	0.405 (0.34-0.503)	0.000433	0.972 (0.377-1.812)	0.923	0.383 (0.26-0.745)	0.00609
EE C8	0.909 (0.52-1.276)	0.516	1.039 (0.846-1.235)	0.554	1.131 (0.272-2.659)	0.724	1.126 (0.945-1.729)	0.311	1.316 (0.914-1.866)	0.0552	3.603 (1.29-17.82)	0.037
EE C9	1.6 (1.244-1.853)	0.000708	1.157 (0.841-1.356)	0.109	0.777 (0.349-1.135)	0.208	0.646 (0.38-1.229)	0.0383	0.874 (0.335-1.474)	0.63	0.378 (0.25-0.424)	8.43E-05

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EE D10	0.84 (0.439-1.915)	0.447	0.776 (0.629-0.874)	0.04	0.603 (0.417-1.318)	0.0723	0.603 (0.536-0.737)	0.000263	NO DATA	NO DATA	0.171 (0.12-0.212)	4.78E-06
EE D11	1.129 (1.116-1.142)	0.0592	0.787 (0.455-1.62)	0.5	0.319 (0.204-0.472)	0.00714	0.332 (0.225-0.45)	0.00114	NO DATA	NO DATA	0.184 (0.088-0.421)	0.00369
EE D5	1.681 (0.807-2.685)	0.0667	1.037 (0.748-1.515)	0.819	1.305 (0.944-1.73)	0.127	1.354 (1.149-1.485)	0.00361	NO DATA	NO DATA	0.555 (0.234-0.856)	0.0291
EE D9	1.181 (1.106-1.299)	0.076	0.783 (0.442-1.002)	0.174	0.537 (0.189-1.06)	0.201	0.455 (0.305-0.526)	0.000205	NO DATA	NO DATA	0.247 (0.203-0.332)	1.29E-05
EE E11	1.597 (1.16-2.963)	0.0181	1.373 (0.683-1.969)	0.169	1.194 (0.611-1.67)	0.267	1.621 (0.913-2.228)	0.0152	1.437 (1.192-1.84)	0.032	4.143 (2.947-5.313)	1.44E-05
EE E3	1.814 (1.442-2.431)	0.000599	1.347 (0.976-1.785)	0.0374	1.267 (0.521-2.106)	0.396	1.289 (1.096-1.7)	0.0123	0.801 (0.463-0.94)	0.182	1.877 (1.426-2.259)	0.000324
EE E9	1.49 (1.084-2.033)	0.00969	1.21 (0.826-2.091)	0.253	0.552 (0.197-0.907)	0.19	0.448 (0.232-0.723)	0.00717	1.77 (1.5-2.088)	0.18	0.463 (0.282-0.608)	0.00149
EE F9	1.815 (1.07-2.591)	0.158	1.237 (0.748-2.062)	0.329	1.055	No reps.	0.812 (0.515-1.058)	0.16	0.01*	No reps.	0.819 (0.635-1.114)	0.0555
EE G1	0.857 (0.696-1.025)	0.0692	0.732 (0.563-0.828)	0.0385	1.009 (0.908-1.176)	0.848	1.213 (0.899-1.774)	0.139	0.856 (0.513-1.229)	0.302	3.55 (1.51-12.94)	0.00731
EE G11	0.868 (0.439-1.253)	0.492	0.949 (0.788-1.134)	0.478	0.558 (0.409-0.96)	0.0158	0.316 (0.162-0.456)	0.00203	0.588	No reps.	0.248 (0.219-0.297)	4.05E-05
EE H10	1.395 (1.155-1.795)	0.0149	1.606 (1.099-1.894)	0.0349	1.225 (0.645-2.282)	0.412	0.738 (0.619-0.885)	0.00156	1.83 (1.558-2.047)	0.0181	0.703 (0.38-1.081)	0.12
EE H2	1.608 (0.684-3.552)	0.208	1.131 (0.575-1.818)	0.564	0.338 (0.187-0.621)	0.00839	0.334 (0.27-0.458)	9.59E-05	0.966 (0.576-1.738)	0.878	0.173 (0.148-0.235)	3.53E-05
EE H3	1.096 (0.647-1.729)	0.648	0.918 (0.587-1.726)	0.653	0.735 (0.435-1.022)	0.206	0.796 (0.58-1.142)	0.113	2	No reps.	0.393 (0.251-0.51)	0.000284
EE H4	1.624 (1.053-2.229)	0.0257	1.417 (0.932-2.08)	0.0616	1.091 (0.888-1.5)	0.642	0.865 (0.678-1.058)	0.0934	4.271	No reps.	0.756 (0.519-1.354)	0.188
EE H7	0.981 (0.677-1.246)	0.835	1.026 (0.713-1.583)	0.839	0.969 (0.678-1.438)	0.812	1.345 (1.02-2.761)	0.122	1.014 (0.408-2.088)	0.957	6.425 (4.997-9.43)	9.16E-05
EE H8	1.331 (1.015-1.735)	0.0586	1.25 (1.026-1.802)	0.192	0.548 (0.373-0.851)	0.0163	0.471 (0.317-0.634)	0.00117	0.963 (0.583-1.516)	0.866	0.241 (0.153-0.347)	0.000765
EE H9	0.844 (0.388-1.665)	0.442	1.63 (1.092-2.117)	0.00442	1.287 (0.897-1.703)	0.114	2.165 (1.42-3.507)	0.00164	1.334 (1.003-1.578)	0.0612	1.972 (1.403-3.684)	0.00701
EEE B3	0.859 (0.574-1.009)	0.14	0.86 (0.763-0.958)	0.0275	0.959 (0.809-1.166)	0.459	1.091 (0.885-1.48)	0.392	0.802 (0.633-0.998)	0.034	7.312 (1.681-83.48)	0.0246
EEE B7	0.818 (0.458-1.296)	0.367	2.543 (1.118-6.315)	0.0256	1.264 (0.875-2.234)	0.208	3.582 (2.149-6.598)	0.00142	4.234 (2.375-10.98)	0.00559	58.48 (19.48-151)	8.98E-05
EEE B9	0.789 (0.618-1.012)	0.0151	0.761 (0.596-0.898)	0.0178	1.019 (0.814-1.781)	0.88	1.287 (0.967-1.998)	0.0968	0.806 (0.496-1.186)	0.234	20.48 (5.424-169)	0.00649
EEE D4	1.074 (0.919-1.44)	0.419	2.825 (2.349-3.675)	4.35E-05	3.381 (2.44-5.388)	0.000952	2.544 (1.212-4.591)	0.022	1.463 (1.054-2.195)	0.0501	32.96 (5.45-64.5)	0.00158
EEE D6	0.954 (0.669-1.213)	0.657	0.818 (0.762-0.909)	0.000413	1.037 (0.827-1.314)	0.64	1.152 (0.84-1.63)	0.215	1.119 (0.868-1.232)	0.0917	1.949 (1.105-4.583)	0.0432
EEE E3	1.255 (0.934-2.022)	0.0927	1.468 (0.881-2.3)	0.0393	2.078 (1.3-3.604)	0.00367	2.919 (2.14-4.393)	0.000299	2.231 (1.696-3.192)	0.000687	15.92 (9.497-24.2)	7.53E-05
EEE E8	0.907 (0.626-1.344)	0.371	1.13 (0.516-1.93)	0.601	1.605 (1.197-2.088)	0.0514	2.732 (1.75-5.435)	0.00441	0.786 (0.639-0.968)	0.454	6.543 (3.508-13.37)	0.00657
EEE F8	0.934 (0.698-1.106)	0.384	1.819 (1.122-2.739)	0.00932	1.524 (0.488-3.015)	0.26	2.005 (0.726-3.541)	0.0304	1.003 (0.718-1.401)	0.995	9.866 (6.946-19.22)	3.23E-05

EEE G9	0.665 (0.476-1.354)	0.0931	0.37 (0.143-0.646)	0.00895	0.931 (0.554-1.565)	0.913	2.106 (0.789-4.516)	0.0536	1.129	No reps.	2.612 (2.142-3.029)	0.0113
EEE H11	1.82	No reps.	0.508 (0.446-0.628)	0.000443	5	No reps.	1.554	No reps.	1.078 (0.872-1.444)	0.459	1.07	No reps.
F A6	0.798 (0.489-1.157)	0.142	0.942 (0.624-1.725)	0.736	1.582 (0.802-3.47)	0.122	2.089 (1.324-2.829)	0.000979	0.766 (0.363-1.589)	0.278	12.64 (7.868-27)	0.000348
F C4	1.014 (0.481-1.801)	0.94	0.887 (0.637-1.132)	0.301	1.455 (1.037-2.119)	0.0802	2.56 (2.472-2.686)	1.42E-05	2.335	No reps.	3.689 (1.844-8.757)	0.00166
F E10	1.082 (0.937-1.38)	0.233	0.934 (0.763-1.186)	0.425	1.043 (0.885-1.265)	0.456	1.425 (1.052-2.487)	0.0539	1.091 (0.807-1.818)	0.5	24.93 (4.727-167)	0.00285
F F10	1.287 (0.946-1.985)	0.0652	1.125 (0.917-1.371)	0.162	2.041 (1.481-2.459)	0.00174	2.057 (0.942-3.497)	0.0105	1.94 (1.696-2.485)	0.0333	4.001 (2.813-6.481)	0.00116
F F3	2.5 (1.709-3.326)	0.000216	0.935 (0.564-1.386)	0.69	1.043 (0.521-1.779)	0.823	0.98 (0.801-1.155)	0.738	NO DATA	NO DATA	2.134 (1.404-4.059)	0.00396
F G6	0.766 (0.484-1.522)	0.367	0.735 (0.47-1.348)	0.231	1.744 (1.671-1.819)	0.0485	1.189 (1.143-1.207)	0.000947	0.01*	No reps.	2.165 (1.482-4.488)	0.168
F H11	2.056 (1.664-2.493)	0.0254	0.522 (0.516-0.528)	0.0104	2.363	No reps.	1.329 (1.001-1.885)	0.0747	NO DATA	NO DATA	3.003 (2.749-3.282)	0.0512
FF A1	1.41 (1.187-1.658)	0.00464	1.378 (0.938-2.235)	0.084	1.542 (1.165-1.891)	0.00343	1.891 (1.301-3.802)	0.0123	1.605 (1.032-2.417)	0.0109	9.683 (7.095-12.58)	2.87E-06
FF A10	1.487 (1.31-1.61)	0.000367	0.931 (0.681-1.799)	0.717	1.862 (0.832-3.463)	0.0672	2.506 (1.866-3.294)	0.00164	0.11 (0.01-1.213)	0.527	5.389 (4.19-6.057)	0.000286
FF A2	0.979 (0.767-1.188)	0.756	0.957 (0.604-1.687)	0.791	0.96 (0.678-1.27)	0.658	1.428 (0.89-2.386)	0.1	0.868 (0.785-0.964)	0.00658	3.957 (1.989-6.247)	0.000535
FF B7	1.048 (0.762-1.334)	0.555	0.948 (0.673-1.484)	0.663	1.212 (1.038-1.941)	0.105	1.417 (1.027-2.28)	0.071	1.03 (0.727-1.309)	0.761	19.35 (3.852-119)	0.00371
FF B8	1.082 (0.582-1.442)	0.667	0.874 (0.558-1.323)	0.451	2.127 (1.858-2.563)	0.0159	2.732 (1.432-5.213)	0.364	0.849 (0.655-1.374)	0.392	6.919 (5.632-8.5)	0.0675
FF C4	0.816 (0.646-0.983)	0.0529	0.993 (0.671-1.561)	0.952	2.499 (2.09-3.287)	0.00255	2.52 (1.663-5.362)	0.0108	1.018 (0.866-1.196)	0.93	10.84 (1.923-36.5)	0.0103
FF C5	0.933 (0.846-1.067)	0.24	0.888 (0.618-1.592)	0.473	1.399 (0.934-2.149)	0.0417	1.363 (0.955-2.512)	0.0848	0.433 (0.161-1.166)	0.553	2.365 (1.067-4.199)	0.00793
FF E12	1.079 (0.749-1.456)	0.573	0.929 (0.58-1.267)	0.61	1.588 (0.914-2.024)	0.0335	2.093 (1.442-3.272)	0.00979	1.302 (0.426-5)	0.66	4.816 (2.761-13.6)	0.00105
FF E4	0.888 (0.69-1.11)	0.399	0.743 (0.55-0.868)	0.00648	0.872 (0.698-1.087)	0.088	0.992 (0.808-1.377)	0.927	0.864 (0.502-1.433)	0.464	0.441 (0.31-0.537)	0.000192
FF E9	1.101 (0.569-1.709)	0.658	0.851 (0.489-1.335)	0.358	0.291 (0.121-0.671)	0.0217	0.37 (0.292-0.539)	0.00149	1.951	No reps.	0.161 (0.0991-0.292)	0.000465
FF F10	0.96 (0.671-1.124)	0.754	1.684 (0.773-4.22)	0.109	1.511 (0.795-4.043)	0.139	2.12 (1.165-3.626)	0.00544	1.072 (0.564-1.66)	0.786	22.67 (11.04-50.5)	0.000618
FF G1	0.835 (0.417-1.208)	0.409	1.953 (1.692-2.296)	4.26E-05	1.986 (1.396-3.042)	0.00955	2.356 (1.411-3.521)	0.0025	2.604 (1.924-3.524)	0.195	6.205 (1.777-16.41)	0.109
FF G9	3.412 (2.926-3.979)	0.0793	1.851 (0.979-3.5)	0.511	1.009	No reps.	0.454 (0.231-0.713)	0.00478	NO DATA	NO DATA	0.549 (0.517-0.604)	0.00639
FF H7	1.465 (1.071-1.853)	0.00721	1.302 (1.021-1.49)	0.00689	1.794 (1.127-2.888)	0.0361	4.103 (1.549-20)	0.0104	1.364 (1.08-1.636)	0.127	7.767 (3.296-15.31)	0.00129
G A10	1.602 (1.251-2.359)	0.00358	1.461 (0.904-2.024)	0.0399	0.603 (0.435-0.772)	0.00339	0.741 (0.578-1.021)	0.0324	0.955 (0.451-2.079)	0.859	0.499 (0.337-0.664)	0.00406
G A12	1.248 (1.021-1.431)	0.00511	2.249 (0.915-3.213)	0.0259	1.457 (1.139-1.88)	0.0049	1.632 (0.911-2.882)	0.0254	0.946 (0.732-1.278)	0.599	16.18 (8.521-22.72)	0.00105

G B1	1.221	No reps.	NO DATA	NO DATA	0.01*	No reps.	1.334 (1.124-1.749)	0.0577	NO DATA	NO DATA	0.92 (0.559-1.216)	0.768
G B7	0.907 (0.544-2.751)	0.813	0.816 (0.42-1.784)	0.375	0.115 (0.0332-0.429)	0.0998	0.222 (0.0603-0.442)	0.015	NO DATA	NO DATA	0.117 (0.0888-0.166)	3.18E-05
G C1	0.631 (0.324-1.27)	0.124	0.716 (0.239-1.823)	0.412	1.854	No reps.	2.004 (1.665-2.437)	0.000937	0.0755 (0.01-0.57)	0.423	3.106 (1.421-4.213)	0.00101
G C10	0.48 (0.413-0.56)	0.000354	0.418 (0.227-0.728)	0.00918	1.268 (0.292-4.351)	0.633	1.357 (0.881-2.027)	0.114	1.068 (0.593-1.826)	0.683	2.521 (2-3.046)	5.64E-05
G C8	0.744 (0.48-1.027)	0.062	0.911 (0.797-1.06)	0.0719	0.918 (0.328-1.773)	0.777	0.926 (0.704-1.242)	0.481	0.834 (0.313-1.638)	0.487	4.51 (1.628-34.24)	0.0763
G D4	1.767 (1.479-2.21)	0.0405	1.032 (0.877-1.376)	0.77	0.493	No reps.	0.878 (0.704-1.112)	0.259	1	No reps.	0.753 (0.647-1.104)	0.0188
G E1	0.702 (0.446-1.148)	0.081	0.995 (0.845-1.197)	0.941	1.521 (0.976-3.343)	0.22	1.329 (1.105-2.228)	0.102	0.637 (0.528-0.768)	0.251	2.613 (1.897-4.492)	0.00366
G E10	0.999 (0.811-1.332)	0.986	0.964 (0.768-1.065)	0.486	0.908 (0.838-1.063)	0.0546	1.181 (0.93-1.63)	0.135	1.049 (0.695-1.429)	0.701	3.079 (1.391-12.12)	0.0202
G E11	0.875 (0.675-1.33)	0.243	0.997 (0.61-1.557)	0.984	1.254 (0.907-1.707)	0.0441	1.616 (1.132-2.115)	0.00886	0.869 (0.448-1.825)	0.545	5.363 (2.439-15.05)	0.00145
G E3	1.359 (0.922-1.832)	0.0436	1.18 (0.908-1.78)	0.252	7.795	No reps.	1.498 (1.123-1.948)	0.127	NO DATA	NO DATA	1.123 (0.833-2.017)	0.729
G E9	0.703 (0.591-0.931)	0.0367	0.734 (0.417-1.099)	0.228	1.577 (1.046-2.347)	0.0937	1.466 (1.302-1.921)	0.00632	1.011 (0.601-1.588)	0.949	1.551 (1.135-2.637)	0.0142
G F10	0.834 (0.612-1.156)	0.0823	0.798 (0.56-0.994)	0.081	0.852 (0.767-1.126)	0.0417	1.046 (0.912-1.37)	0.591	0.704 (0.421-1.171)	0.0896	10.87 (2.218-119.4)	0.0163
G F11	0.597 (0.373-0.913)	0.0179	0.781 (0.575-0.945)	0.0401	1.725 (1.025-2.198)	0.0151	1.756 (1.166-3.287)	0.0106	1.196 (0.939-1.5)	0.317	1.717 (1.028-2.981)	0.0514
G G11	0.68 (0.459-0.855)	0.0223	0.655 (0.501-0.826)	0.0031	1.067 (0.763-1.5)	0.5	0.932 (0.514-1.256)	0.659	1.312 (0.901-2.794)	0.374	1.787 (1.237-2.764)	0.00805
G G12	1.072 (0.968-1.509)	0.361	1.01 (0.892-1.289)	0.863	0.968 (0.748-1.371)	0.755	1.36 (1-2.285)	0.063	0.913 (0.754-1.34)	0.36	4.05 (1.529-8.802)	0.00812
G G2	0.946 (0.458-1.334)	0.838	0.837 (0.596-2.136)	0.495	1.486 (1.392-1.586)	0.104	1.465 (0.901-2.948)	0.0627	0.01*	No reps.	2.085 (1.366-2.835)	0.000711
G G5	1.019 (0.49-1.461)	0.91	1.003 (0.568-1.533)	0.985	2.131 (1.2-3.06)	0.0343	2.103 (1.876-2.407)	1.18E-05	0.883 (0.392-2.179)	0.67	3.722 (2.329-9.572)	0.0278
G H3	1.071 (0.851-1.307)	0.304	1.017 (0.772-1.226)	0.833	1.322 (0.855-1.73)	0.332	1.788 (1.263-2.633)	0.00211	1.303 (0.94-1.808)	0.567	1.879 (1.387-2.909)	0.00505
G H5	0.851 (0.641-1.08)	0.0933	1.019 (0.857-1.291)	0.793	1.102 (0.884-1.325)	0.306	1.747 (1.136-2.568)	0.00479	0.728 (0.539-0.943)	0.0194	11.19 (7.452-19.63)	8.50E-06
G H8	1.092 (0.934-1.241)	0.314	0.983 (0.613-1.402)	0.89	1.411 (1.153-1.748)	0.0053	1.899 (1.153-3.222)	0.0101	1.075 (0.636-1.3)	0.618	6.488 (4.118-14.67)	0.00137
GGG E8	0.507 (0.382-0.707)	0.00119	0.439 (0.253-0.736)	0.0049	1.215 (0.26-10.34)	0.746	1.418 (0.831-2.832)	0.276	0.942 (0.58-1.531)	0.922	2.78 (1.604-4.178)	0.000506
GGG F2	0.824 (0.484-1.165)	0.167	0.757 (0.564-0.901)	0.00943	1.114 (0.888-1.405)	0.194	1.132 (0.882-1.641)	0.196	0.973 (0.604-1.536)	0.855	11.68 (1.634-391)	0.0959
GGG G1	0.929 (0.507-1.225)	0.686	0.873 (0.591-1.308)	0.336	1.973 (1.531-3.246)	0.00155	1.92 (1.245-3.011)	0.00351	0.762 (0.396-1.305)	0.517	11.71 (4.854-24.5)	0.035
GGG G5	0.517 (0.262-0.71)	0.0073	0.437 (0.233-0.807)	0.0274	0.788 (0.584-1.047)	0.0839	0.811 (0.613-1.375)	0.18	0.01*	No reps.	1.051 (0.589-1.47)	0.768
HH A12	1.557 (1.287-1.709)	0.000139	2.563 (1.534-3.541)	0.000598	1.149 (0.688-1.618)	0.425	1.22 (0.707-1.729)	0.186	1.066 (0.822-1.427)	0.527	66.62 (21.44-252)	0.00135

HH A8	2.233 (2.194-2.272)	0.0137	1.296 (1.064-1.607)	0.0635	0.852 (0.579-1.36)	0.587	1.212 (0.947-1.89)	0.296	NO DATA	NO DATA	0.566 (0.436-0.641)	0.00108
HH B10	0.962 (0.74-1.265)	0.692	0.83 (0.603-1.041)	0.106	0.873 (0.716-1.426)	0.255	1.088 (0.818-1.581)	0.533	0.709 (0.431-1.056)	0.0814	11.2 (4.231-41.09)	0.0016
HH C9	0.73 (0.384-1.305)	0.119	0.87 (0.557-1.615)	0.586	1.825 (1.165-3.58)	0.0233	1.989 (1.14-4.387)	0.0309	0.718 (0.318-1.286)	0.365	9.729 (4.116-20.24)	0.00865
HH E8	1.234 (0.699-1.654)	0.275	2.248 (1.15-4.321)	0.0168	1.49 (0.183-8.941)	0.475	5.342 (0.82-10.36)	0.00704	2.588 (0.508-9)	0.38	23.03 (4.317-50.5)	0.00213
II B5	1.562	No reps.	NO DATA	NO DATA	0.01*	No reps.	0.605 (0.22-1.007)	0.155	NO DATA	NO DATA	0.466 (0.294-0.614)	0.00364
II C4	3.215 (1.75-6.327)	0.0885	2.271 (0.991-3.736)	0.188	0.263 (0.01-0.561)	0.293	0.375 (0.307-0.509)	0.000117	NO DATA	NO DATA	0.358 (0.182-0.694)	0.0118
II C6	0.73 (0.605-0.971)	0.00772	0.624 (0.476-0.791)	0.00142	0.924 (0.761-1.133)	0.294	0.985 (0.791-1.426)	0.884	0.78 (0.435-1.224)	0.335	1.624 (1.234-3.333)	0.0235
II E5	0.909	No reps.	1.121 (0.913-1.542)	0.554	0.01*	No reps.	1.253 (0.84-1.786)	0.241	NO DATA	NO DATA	0.69 (0.509-1.001)	0.0955
II E7	1.386 (1.158-2.031)	0.0136	1.015 (0.593-1.675)	0.926	1.652 (1.256-2.231)	0.0017	2.174 (1.87-2.624)	3.68E-05	0.938 (0.762-1.317)	0.743	9.42 (3.155-42.45)	0.00209
II F5	0.991 (0.983-1)	0.5	2.064	No reps.	0.154 (0.146-0.162)	0.0174	0.485 (0.259-0.742)	0.00637	NO DATA	NO DATA	0.238 (0.148-0.362)	0.00862
II G11	0.914 (0.446-1.385)	0.645	1.347 (1.143-1.786)	0.0195	1.036 (0.91-1.158)	0.509	1.475 (1.105-1.917)	0.00947	1.452 (0.77-3.508)	0.159	3.108 (0.0993-5.202)	0.156
II G12	0.821 (0.611-1.103)	0.114	1.106 (0.75-1.857)	0.464	1.026 (0.482-1.883)	0.922	2.736 (0.99-10.45)	0.0697	1.62 (1.004-3.089)	0.0309	3.196 (2.11-4.062)	7.70E-05
II H10	1.248 (0.907-1.714)	0.0643	1.769 (1.126-2.497)	0.00489	1.806 (0.851-3.883)	0.0638	2.961 (1.62-3.845)	0.00216	1.875 (0.956-3.677)	0.522	5.443 (1.715-12.21)	0.00147
III A6	0.473 (0.372-0.719)	0.000505	0.405 (0.296-0.498)	0.000181	1.402 (0.292-8.861)	0.627	1.743 (1.021-2.562)	0.0237	1.806 (1.087-3)	0.452	2.553 (1.31-3.558)	0.00137
III B12	0.403 (0.316-0.484)	0.000198	1.097 (0.86-1.478)	0.413	0.537 (0.259-1.185)	0.14	1.347 (0.792-2.658)	0.155	1	No reps.	0.604 (0.305-1)	0.0787
III C10	0.01*	No reps.	1.536 (1.153-2.047)	0.375	1.5	No reps.	0.828 (0.406-1.24)	0.409	NO DATA	NO DATA	0.735 (0.522-1.486)	0.292
III C2	NO DATA	NO DATA	NO DATA	NO DATA	12	No reps.	1.129 (0.969-1.335)	0.116	NO DATA	NO DATA	4.333	No reps.
III C5	1.498	No reps.	NO DATA	NO DATA	0.187	No reps.	0.537 (0.516-0.552)	0.00111	NO DATA	NO DATA	0.495 (0.363-0.606)	0.00755
III D1	0.793 (0.55-1.033)	0.0897	0.866 (0.575-1.246)	0.336	1.334 (0.867-2.149)	0.0946	1.809 (0.865-3.388)	0.0327	0.69 (0.37-0.899)	0.0635	27.56 (11.2-77)	0.000136
III D2	0.451 (0.337-0.617)	0.000457	0.446 (0.261-0.653)	0.00319	1.162 (0.252-4.582)	0.754	1.44 (1.066-2.013)	0.0228	1.525 (0.858-4.014)	0.177	2.292 (1.815-3.078)	9.33E-05
III E1	1.1 (0.973-1.332)	0.123	0.888 (0.632-1.103)	0.297	1.115 (0.976-1.301)	0.0649	1.344 (1.036-1.631)	0.0167	0.905 (0.377-1.57)	0.719	4.41 (3.974-4.944)	8.28E-05
III E11	2.326 (1.203-4.5)	0.422	0.934 (0.586-1.244)	0.65	0.595 (0.377-0.921)	0.183	0.549 (0.414-0.655)	0.000506	3.212	No reps.	0.287 (0.231-0.426)	0.00267
III E3	1.093 (0.799-1.671)	0.525	1.034 (0.615-1.835)	0.841	1.499 (1.277-2.042)	0.0309	1.768 (1.318-2.351)	0.0316	0.597 (0.437-0.817)	0.348	4.824 (3.328-9.849)	0.000415
III E6	0.449 (0.289-0.681)	0.00182	0.437 (0.264-0.745)	0.00391	1.027 (0.236-7.023)	0.962	1.407 (0.74-2.424)	0.201	1.811 (0.918-9)	0.248	2.367 (1.752-2.711)	9.09E-05
III F12	1.533 (1-2.349)	0.5	1.473	No reps.	0.01*	No reps.	0.686 (0.552-1.047)	0.217	4.064	No reps.	0.949 (0.603-1.397)	0.754
JJ B10	0.971 (0.737-1.223)	0.762	0.793 (0.583-0.961)	0.146	0.995 (0.743-1.323)	0.961	1.162 (0.93-1.694)	0.239	0.729 (0.408-1.325)	0.246	22.01 (12.72-71.9)	0.000237

JJ B11	0.936 (0.732-1.221)	0.451	0.875 (0.65-1.066)	0.236	1.057 (0.815-1.355)	0.523	2.015 (1.194-4.588)	0.0178	0.769 (0.523-1.129)	0.0878	5.968 (2.613-14.84)	0.000589
JJ C2	0.843 (0.463-1.206)	0.272	0.982 (0.573-1.275)	0.928	2.477 (1.766-3.54)	0.00831	2.346 (1.338-4.155)	0.00488	NO DATA	NO DATA	11.22 (5.303-21)	0.0266
JJ C6	0.85 (0.665-1.014)	0.0395	0.741 (0.608-0.82)	0.000989	1.075 (0.859-1.315)	0.369	1.27 (0.87-1.915)	0.117	0.885 (0.721-1.07)	0.129	7.204 (1.362-218.6)	0.0752
JJ D11	0.884 (0.554-1.24)	0.523	0.845 (0.725-1.155)	0.0788	1.155 (0.975-1.603)	0.102	1.287 (0.994-1.746)	0.265	0.738 (0.551-0.89)	0.0241	4.174 (3.064-5.9)	2.47E-05
JJ D12	0.789 (0.582-1.094)	0.0823	0.901 (0.765-1.265)	0.3	1.25 (0.844-2.22)	0.208	1.468 (0.809-2.822)	0.197	0.852 (0.705-1.089)	0.0903	19.76 (9.739-72.79)	0.000614
JJ D3	0.525 (0.402-0.827)	0.00614	0.477 (0.323-0.705)	0.00168	1.011 (0.333-3.143)	0.979	1.291 (0.82-1.947)	0.133	0.892 (0.496-1.861)	0.587	2.2 (1.881-2.623)	2.61E-05
JJ D5	0.916 (0.851-0.999)	0.0162	0.749 (0.673-0.89)	0.00154	1.016 (0.943-1.134)	0.628	1.077 (0.822-1.529)	0.475	0.82 (0.695-0.93)	0.013	2.024 (1.114-5.933)	0.0603
JJ D7	0.994 (0.612-1.458)	0.966	0.737 (0.38-1.055)	0.101	1.078 (0.594-1.714)	0.833	1.324 (0.921-1.689)	0.0662	1.033 (0.499-1.814)	0.941	6.389 (2.798-14.5)	0.00338
JJ E10	0.801 (0.608-1.065)	0.0757	0.804 (0.7-0.9)	0.00531	1.158 (0.813-1.857)	0.401	1.565 (1.015-3.159)	0.0459	0.917 (0.561-1.245)	0.561	30.31 (10.4-129)	0.000704
JJ E11	1.25 (1.103-1.388)	0.0067	2.191 (1.739-3.02)	0.000299	1.376 (1.141-2.075)	0.0136	1.919 (1.306-2.452)	0.00132	0.942 (0.695-1.096)	0.607	12.05 (9.025-20.78)	6.63E-05
JJ E2	0.697 (0.604-0.832)	0.00714	0.611 (0.39-0.845)	0.0066	0.975 (0.737-1.317)	0.815	1.164 (0.786-1.799)	0.226	0.893 (0.398-1.402)	0.582	9.948 (6.682-14.82)	2.11E-05
JJ E9	0.906 (0.726-1.141)	0.174	0.947 (0.75-1.309)	0.616	1.173 (0.832-1.654)	0.202	1.593 (1.242-2.071)	0.00469	0.747 (0.484-1.1)	0.0709	22.58 (11.71-64)	0.000116
JJ G10	1.059 (0.963-1.186)	0.0932	0.805 (0.687-0.902)	0.00224	1.377 (1.106-1.798)	0.0263	1.588 (1.29-2.66)	0.00716	0.768 (0.331-1.103)	0.201	5.116 (3.644-12.82)	0.000344
JJ G12	1.06 (0.716-1.666)	0.743	0.935 (0.634-1.627)	0.641	2.769 (1.3-5.441)	0.0244	2.015 (0.917-2.73)	0.0146	1.444 (0.993-2.101)	0.506	3.245 (1.505-4.925)	0.00127
JJ G2	0.871 (0.444-1.528)	0.584	0.793 (0.568-0.909)	0.0218	1.746 (1.286-2.035)	0.00233	2.134 (1.445-3.64)	0.0017	1.108 (0.757-1.95)	0.756	9.664 (6.081-16.24)	0.000141
JJ H2	0.744 (0.601-0.935)	0.00539	0.776 (0.68-0.863)	0.00106	1.158 (0.865-2.006)	0.37	1.43 (0.79-2.475)	0.131	0.774 (0.558-1.013)	0.12	20.9 (4.781-308.5)	0.0129
JJ H4	1.524 (1.244-1.944)	0.0283	1.183 (0.864-1.838)	0.214	4.75 (4.608-4.896)	0.0124	1.152 (0.925-1.288)	0.325	2.214 (1.29-4.5)	0.165	3.596 (1.943-6.363)	0.00304
JJ H5	0.64 (0.283-1.023)	0.0534	0.636 (0.455-0.941)	0.00952	0.961 (0.273-9.666)	0.947	1.065 (0.712-1.342)	0.614	0.01*	No reps.	0.792 (0.461-1.17)	0.182
K A12	1.5	No reps.	0.793	No reps.	0.01*	No reps.	0.298 (0.16-0.729)	0.00279	NO DATA	NO DATA	0.363 (0.276-0.462)	0.0211
K A3	0.627 (0.389-0.883)	0.199	0.175 (0.131-0.232)	0.103	7.947	No reps.	1.96 (1.293-2.989)	0.01	NO DATA	NO DATA	3.671	No reps.
K A7	1.532 (1.263-1.95)	0.00194	1.524 (0.724-2.397)	0.065	1.484 (1.224-2.097)	0.0049	2.379 (1.394-4.388)	0.00394	1.152 (0.947-1.518)	0.294	15.01 (10.97-18.72)	0.000182
K B1	NO DATA	NO DATA	0.183 (0.104-0.432)	0.0112	0.167 (0.119-0.281)	0.00038	0.337 (0.137-0.877)	0.0134	1.144 (0.964-1.357)	0.576	1.038 (0.82-1.811)	0.857
K B7	0.855 (0.484-1.47)	0.387	1.082 (0.749-1.469)	0.478	2.239 (1.178-4.178)	0.0636	1.793 (1.49-2.344)	0.000594	1.529	No reps.	2.639 (1.5-5.003)	0.00253
K C2	0.498 (0.384-0.599)	0.000904	0.611 (0.475-0.957)	0.0109	0.982 (0.524-1.335)	0.914	1.027 (0.931-1.158)	0.533	1.977 (0.997-6.5)	0.372	1.798 (1.251-2.529)	0.00198
K C6	0.757 (0.441-1.074)	0.0855	0.572 (0.364-0.726)	0.0092	1.072 (0.59-1.878)	0.854	1.407 (1.039-1.957)	0.0114	1.162 (0.9-1.5)	0.661	1.763 (0.982-3.209)	0.0455

K C7	1.38 (0.807-1.961)	0.0436	1.243 (1.02-1.419)	0.00774	1.318 (0.736-2.195)	0.151	1.517 (1.074-1.696)	0.00199	1.113 (0.796-1.649)	0.51	7.039 (3.396-15.55)	0.000242
K D3	0.593 (0.305-0.954)	0.0197	0.411 (0.107-2.028)	0.139	1.674 (1.227-2.036)	0.00527	1.432 (1.068-2.421)	0.0518	3.364	No reps.	2.806 (1.809-3.638)	0.000526
K D5	0.871 (0.603-1.372)	0.275	0.813 (0.635-1.251)	0.1	0.954 (0.476-1.534)	0.84	1.308 (0.81-1.796)	0.0698	0.94 (0.581-1.489)	0.689	3.088 (2.398-3.826)	5.14E-05
K E12	0.893 (0.744-1.16)	0.232	0.899 (0.548-1.699)	0.565	0.784 (0.512-1.224)	0.172	1.268 (0.967-1.668)	0.0258	NO DATA	NO DATA	2.316 (1.44-5.309)	0.0179
K E9	1.513 (1.17-2.217)	0.0225	1.907 (1.281-2.817)	0.0164	0.78 (0.457-1.254)	0.17	1.393 (0.598-2.095)	0.118	0.644 (0.321-1.715)	0.226	1.498 (1.042-2.306)	0.0449
K F12	1.219 (0.959-1.596)	0.312	1.146 (0.767-3.054)	0.613	0.853 (0.831-0.876)	0.104	0.307 (0.129-0.421)	0.00115	2.14 (1.51-3.035)	0.274	0.594 (0.289-1.091)	0.0456
K F6	0.953 (0.702-1.214)	0.629	0.768 (0.564-1.06)	0.0674	0.866 (0.599-1.13)	0.276	1.245 (0.984-1.975)	0.143	0.746 (0.256-1.849)	0.334	7.484 (3.006-18.98)	0.00144
K F8	0.749 (0.481-1.173)	0.186	0.889 (0.512-1.242)	0.478	0.578	No reps.	0.516 (0.421-0.821)	0.00129	0.0421 (0.01-0.747)	0.158	0.487 (0.385-0.56)	5.51E-05
K G10	1.005 (0.896-1.137)	0.907	1.262 (0.859-1.527)	0.0421	1.034 (0.677-1.557)	0.816	1.353 (1.118-1.655)	0.00297	0.604 (0.444-0.852)	0.117	2.837 (1.902-4.76)	0.00103
K G2	0.899 (0.571-1.071)	0.328	1.041 (0.759-1.263)	0.596	1.111 (0.751-1.671)	0.408	1.407 (1.033-2.158)	0.0346	0.881 (0.703-1.248)	0.261	5.202 (1.732-13.39)	0.00167
K H1	0.955 (0.693-1.14)	0.623	0.964 (0.589-1.377)	0.837	0.444 (0.325-0.928)	0.0473	0.302 (0.177-0.47)	0.000285	0.822 (0.372-1.876)	0.542	0.072 (0.0363-0.117)	0.00043
K H10	1.38 (0.787-1.917)	0.133	1.073 (0.613-2.356)	0.775	0.264 (0.0783-0.707)	0.0205	0.21 (0.149-0.326)	0.000101	1.857 (1.349-2.555)	0.303	0.0995 (0.0656-0.163)	0.00115
K H8	1.336 (0.99-1.805)	0.511	1.229 (0.554-2.432)	0.511	0.512 (0.335-0.783)	0.36	0.391 (0.347-0.442)	1.13E-06	NO DATA	NO DATA	0.312 (0.258-0.364)	2.33E-06
KK A6	1.818 (1.506-2.294)	0.000155	1.506 (1.263-1.797)	0.00447	1.434 (1.02-1.723)	0.00749	1.919 (1.551-2.219)	7.25E-05	1.257 (0.67-1.94)	0.21	3.975 (1.714-6.628)	0.00135
KK A7	0.968 (0.777-1.5)	0.771	0.838 (0.692-0.962)	0.0173	0.989 (0.921-1.115)	0.739	1.172 (0.933-1.561)	0.145	0.876 (0.761-1.091)	0.112	3.401 (1.382-22.2)	0.0945
KK B10	1.153 (0.814-1.653)	0.243	1.09 (0.842-1.801)	0.565	1.898 (1.285-3.1)	0.0514	1.783 (1.353-2.405)	0.000957	0.706 (0.393-1.086)	0.227	3.24 (1.633-7.258)	0.00259
KK B5	0.739 (0.578-0.836)	0.0152	0.539 (0.256-0.906)	0.0628	0.622 (0.375-1.252)	0.0463	0.439 (0.245-0.913)	0.00569	0.59 (0.381-0.795)	0.141	0.209 (0.15-0.321)	6.22E-05
KK B7	0.97 (0.792-1.157)	0.675	1.008 (0.732-1.284)	0.942	1.041 (0.767-1.253)	0.605	1.192 (1.021-1.363)	0.0124	0.789 (0.356-1.657)	0.301	4.875 (3.478-7.535)	6.32E-05
KK C10	0.726 (0.402-1.11)	0.114	0.919 (0.726-1.543)	0.505	1.434 (0.928-1.991)	0.0203	1.938 (1.395-2.851)	0.000925	0.742 (0.367-0.968)	0.169	5.075 (2.281-12.84)	0.00107
KK C4	1.531 (0.97-2.292)	0.118	1.219 (0.689-2.522)	0.41	0.611 (0.271-0.81)	0.301	0.494 (0.17-0.665)	0.0577	NO DATA	NO DATA	0.411 (0.325-0.647)	0.000277
KK D2	0.494 (0.232-0.797)	0.00857	0.688 (0.475-1.087)	0.0306	0.891 (0.452-1.303)	0.554	1.079 (0.874-1.393)	0.632	1.269 (0.774-2)	0.364	1.907 (0.994-4.438)	0.038
KK D8	0.373	No reps.	0.69 (0.247-2.291)	0.502	17.18 (7.694-38.38)	0.175	1.245 (0.683-1.92)	0.26	NO DATA	NO DATA	2.243 (1.272-3.951)	0.0209
KK D9	0.995 (0.655-1.6)	0.978	1.061 (0.749-1.428)	0.631	1.885	No reps.	2.419 (1.535-4.236)	0.00335	NO DATA	NO DATA	2.67 (1.722-3.623)	0.000307
KK E4	0.97 (0.687-1.408)	0.896	0.987 (0.622-1.399)	0.923	1.552 (1.159-2.686)	0.101	2.443 (1.667-5.974)	0.00551	0.896 (0.641-1.516)	0.719	5.271 (4.18-6.298)	0.000355
KK E5	1.022 (0.842-1.23)	0.748	1.219 (0.922-1.622)	0.0902	1.159 (0.829-1.749)	0.361	1.587 (1.165-2.11)	0.0134	2.075 (1.438-2.942)	0.00151	2.059 (1.023-3.34)	0.0127
KK F8	0.955 (0.316-1.603)	0.856	0.891 (0.357-1.692)	0.706	3.165 (2.429-4.627)	0.00482	2.282 (1.182-5.229)	0.00845	0.563 (0.383-0.827)	0.375	7.619 (4.643-12.5)	0.152

KK G6	1.139 (0.464-2.57)	0.667	0.998 (0.488-1.578)	0.993	0.373 (0.206-0.864)	0.0169	0.396 (0.296-0.617)	0.000552	0.786	No reps.	0.433 (0.291-0.646)	0.000672
KK G8	1.048 (0.872-1.526)	0.737	0.945 (0.738-1.523)	0.68	0.946 (0.869-1.03)	0.631	0.983 (0.731-2.42)	0.934	NO DATA	NO DATA	0.404 (0.358-0.444)	1.19E-06
KK H10	1.244 (1.151-1.344)	0.217	0.816 (0.657-1.3)	0.205	0.864 (0.705-1.135)	0.412	0.817 (0.704-0.98)	0.0259	NO DATA	NO DATA	0.425 (0.305-0.682)	0.00514
KK H3	1.515 (1.114-2.829)	0.0371	1.17 (0.799-1.567)	0.165	0.164	No reps.	0.76 (0.309-1.09)	0.222	NO DATA	NO DATA	1.354 (0.774-1.827)	0.225
L A10	1.328 (0.948-1.63)	0.0188	1.007 (0.772-1.372)	0.942	1.11 (0.681-1.567)	0.529	1.706 (1.282-2.363)	0.0111	1.276 (0.869-2.618)	0.18	5.811 (2.061-9.278)	0.000496
L A5	1.356 (0.989-1.778)	0.0385	1.045 (0.925-1.45)	0.559	0.82 (0.583-1.019)	0.106	1.297 (1.088-1.519)	0.012	0.859	No reps.	2.059 (1.467-3.285)	0.00309
L B10	0.866 (0.662-1.309)	0.242	0.766 (0.595-0.993)	0.0475	1.004 (0.871-1.379)	0.957	1.205 (0.882-1.964)	0.252	0.762 (0.488-1.211)	0.17	8.63 (2.376-88.51)	0.015
L B11	0.608 (0.537-0.717)	0.000182	0.659 (0.319-0.916)	0.0591	1.292 (0.842-2.379)	0.202	1.237 (0.881-1.445)	0.0412	0.729 (0.345-1.084)	0.183	2.811 (2.001-3.79)	0.000116
L B5	1.527 (1.353-1.722)	0.000119	1.446 (1.207-1.916)	0.00246	0.943 (0.497-1.472)	0.7	1.325 (1.132-1.639)	0.00243	1.12	No reps.	2.731 (2.111-3.615)	0.000574
L C1	0.914 (0.646-1.395)	0.511	0.85 (0.576-1.176)	0.24	1.591 (1.25-1.961)	0.00126	1.958 (1.51-2.927)	0.00124	0.825 (0.568-0.99)	0.235	7.168 (1.851-27.04)	0.00296
L C12	1.132 (0.767-1.435)	0.309	1.1 (0.954-1.43)	0.283	1.514 (1.165-2.141)	0.0161	2.234 (1.329-3.276)	0.00136	2.185 (1.526-3.436)	0.0821	4.063 (1.819-6.729)	0.0155
L C2	1.169 (0.837-1.424)	0.103	0.971 (0.433-1.503)	0.883	0.76 (0.5-1.356)	0.174	0.489 (0.418-0.517)	4.08E-06	0.981 (0.965-0.998)	0.461	0.473 (0.384-0.681)	0.00297
L C3	0.908 (0.644-1.154)	0.295	1.034 (0.509-1.506)	0.87	1.324 (0.821-1.873)	0.0591	1.939 (1.326-2.893)	0.0329	0.716 (0.39-1.159)	0.124	4.882 (3.642-10.88)	0.000203
L C4	1.018 (0.523-1.317)	0.902	1.411 (0.337-2.934)	0.412	1.074 (0.661-2.293)	0.698	1.678 (0.874-2.436)	0.0192	1.24 (0.898-1.8)	0.104	8.616 (2.465-30.46)	0.00245
L C6	0.7 (0.415-0.951)	0.0365	0.962 (0.87-1.008)	0.207	1.155 (1.062-1.255)	0.00641	1.42 (1.048-2.182)	0.049	0.647 (0.528-0.793)	0.279	3.99 (2.489-8.106)	0.000866
L D1	0.777 (0.65-0.978)	0.00811	0.693 (0.466-0.981)	0.0302	1.124 (0.851-1.462)	0.258	1.674 (0.84-2.195)	0.0162	0.704 (0.265-0.969)	0.229	2.458 (1.372-4.872)	0.00709
L D10	0.771 (0.661-0.928)	0.00483	0.745 (0.522-0.899)	0.0122	1.034 (0.758-1.623)	0.818	1.197 (0.746-2.163)	0.413	0.735 (0.369-1.218)	0.232	5.063 (1.742-25.56)	0.0354
L D11	1.223 (0.91-1.671)	0.105	0.951 (0.807-1.263)	0.511	0.723 (0.557-1.143)	0.0397	0.734 (0.505-0.911)	0.0237	1.404 (1.278-1.588)	0.0341	0.552 (0.455-0.705)	0.00214
L D3	1.394 (1.254-1.596)	0.000252	1.475 (1.114-2.012)	0.0054	1.153 (0.977-1.546)	0.113	1.803 (1.296-2.595)	0.00141	1.002 (0.358-1.633)	0.992	4.833 (3.478-8.425)	6.54E-05
L D7	0.799 (0.67-0.945)	0.00474	0.782 (0.56-0.908)	0.0179	0.875 (0.693-1.124)	0.108	1.03 (0.752-1.455)	0.108	0.942 (0.37-1.811)	0.797	2.848 (1.369-14.78)	0.0462
L E11	0.94 (0.705-1.125)	0.713	1.054 (0.389-3.324)	0.931	0.286 (0.272-0.299)	0.024	0.114 (0.0107-0.296)	0.0235	0.909 (0.581-1.234)	0.715	0.036 (0.0116-0.0869)	0.000187
L E12	1.044 (0.754-1.306)	0.82	0.868 (0.651-1.053)	0.264	0.5 (0.316-0.789)	0.371	0.652 (0.58-0.724)	0.000646	1.473 (1.024-2.119)	0.48	0.478 (0.379-0.66)	0.00209
L E6	1.072 (0.611-1.8)	0.643	0.929 (0.847-0.981)	0.0183	0.945 (0.896-0.985)	0.0107	0.957 (0.776-1.487)	0.676	1.074 (0.684-1.336)	0.494	0.507 (0.367-0.617)	0.00249
L E9	1.207 (0.703-2.057)	0.344	1.488 (0.0659-2.701)	0.405	0.769 (0.366-1.503)	0.312	0.535 (0.459-0.662)	0.000128	0.746 (0.178-1.502)	0.587	0.286 (0.144-0.435)	0.00411
L F2	0.697 (0.456-1.04)	0.0314	0.624 (0.457-0.804)	0.0118	1.454 (1.114-1.797)	0.0351	1.581 (0.962-1.984)	0.00671	0.869 (0.672-1.246)	0.529	3.611 (2.398-11.41)	0.0115

L G6	0.834 (0.646-1.153)	0.129	1.105 (0.804-1.383)	0.269	1.515 (1.067-1.844)	0.0149	1.928 (1.305-2.909)	0.00396	1.637 (1.316-2.036)	0.265	2.077 (1.031-3.754)	0.0108
L G9	0.956 (0.422-1.271)	0.798	0.805 (0.626-1.069)	0.0728	0.914 (0.683-1.188)	0.28	0.822 (0.659-1.135)	0.0477	0.84 (0.46-1.381)	0.413	0.303 (0.184-0.451)	0.000664
L H10	0.886 (0.686-1.08)	0.154	1.102 (0.769-1.555)	0.399	2.491 (1.056-3.682)	0.0181	2.316 (1.81-3.059)	0.00127	1.353 (1.041-2.062)	0.291	6.955 (3.63-15.08)	0.000254
L H12	0.814 (0.477-1.39)	0.31	0.791 (0.418-1.242)	0.269	0.797 (0.454-2.201)	0.699	1.85 (1.22-2.62)	0.00706	1.641	No reps.	3.452 (2.039-5.828)	0.00203
L H2	1.451	No reps.	0.715 (0.325-1.536)	0.33	0.491 (0.333-0.723)	0.317	0.356 (0.255-0.48)	6.16E-05	1.181 (0.96-1.452)	0.569	0.152 (0.0339-0.312)	0.00188
L H9	0.89 (0.552-1.393)	0.463	0.732 (0.335-1.127)	0.158	0.418 (0.258-0.646)	0.032	0.317 (0.21-0.445)	0.000216	1.37 (0.583-3.221)	0.775	0.0345 (0.0168-0.0633)	0.000332
LL A11	2.244	No reps.	1.354 (1.236-1.656)	0.0212	0.528	No reps.	0.836 (0.808-0.903)	0.00612	NO DATA	NO DATA	0.663 (0.471-1.17)	0.0238
LL A9	0.344 (0.198-0.831)	0.00526	0.545 (0.225-1.189)	0.0813	0.682 (0.499-0.902)	0.0337	0.855 (0.737-1.132)	0.0841	0.536 (0.486-0.59)	0.0977	1.547 (0.857-4.839)	0.162
LL C10	0.7 (0.357-2.002)	0.288	0.314 (0.0911-0.689)	0.0267	1.312 (0.994-1.554)	0.0757	1.038 (0.662-1.884)	0.827	NO DATA	NO DATA	1.516 (0.899-2.485)	0.14
LL C3	NO DATA	NO DATA	1.09 (0.785-1.925)	0.79	0.01*	No reps.	0.616 (0.333-0.861)	0.0586	3	No reps.	0.662 (0.566-0.835)	0.0736
LL D1	1.326 (0.98-2.326)	0.15	3.804 (2.255-11)	0.0129	0.01*	No reps.	1.436 (0.812-2.449)	0.126	NO DATA	NO DATA	1.929 (0.691-4.409)	0.112
LL D5	1.705	No reps.	1.031 (0.442-2.25)	0.911	0.213 (0.0734-0.687)	0.0757	0.0579 (0.01-0.209)	0.0884	NO DATA	NO DATA	0.0562 (0.0263-0.103)	0.000221
LL E1	0.839 (0.453-1.261)	0.309	0.883 (0.696-1.096)	0.181	0.664 (0.432-0.858)	0.0201	0.777 (0.516-0.937)	0.0434	0.91 (0.721-1.33)	0.327	0.268 (0.177-0.796)	0.00239
LL E12	0.958 (0.836-1.076)	0.29	0.987 (0.725-1.26)	0.885	1.212 (0.749-2.337)	0.28	1.921 (1.29-4.382)	0.0164	0.801 (0.561-0.965)	0.0436	11.55 (4.709-26.84)	0.00012
LL E2	1.285 (0.785-2.495)	0.449	0.983 (0.822-1.359)	0.927	0.687	No reps.	1.143 (0.81-1.421)	0.348	0.01*	No reps.	0.619 (0.424-0.893)	0.0194
LL E4	1.196 (1.039-1.431)	0.0213	1.37 (1.053-1.762)	0.00534	1.187 (0.948-1.346)	0.0208	1.61 (1.43-1.937)	0.000104	1.176 (0.75-1.684)	0.224	11.71 (9.275-17.28)	2.32E-05
LL E7	0.674 (0.514-0.986)	0.0087	0.644 (0.327-1.18)	0.0539	1.514 (0.959-2.871)	0.0442	1.047 (0.741-1.552)	0.722	1.257	No reps.	1.326 (0.925-1.943)	0.0444
LL F12	2.197 (1.354-3.567)	0.351	3.125	No reps.	0.01*	No reps.	1.151 (0.722-2.688)	0.574	NO DATA	NO DATA	0.515 (0.508-0.523)	0.0146
LL G10	0.891 (0.486-1.229)	0.51	0.997 (0.592-1.899)	0.988	1.225 (0.742-2.035)	0.443	1.375 (0.932-3.195)	0.129	9.5	No reps.	0.862 (0.617-1.899)	0.418
LL G12	0.931 (0.594-1.517)	0.673	1.881 (1.466-2.95)	0.00827	3.053 (2.001-6.1)	0.019	1.519 (0.62-2.379)	0.0942	1.876 (1.159-2.531)	0.122	4.17 (2.711-5.815)	0.00389
LL G5	0.562 (0.39-0.789)	0.00396	0.668 (0.463-1.156)	0.0646	0.782 (0.262-1.378)	0.386	0.836 (0.718-0.984)	0.0178	0.01*	No reps.	0.826 (0.79-0.936)	0.0194
M A11	0.948 (0.564-1.533)	0.796	1.404 (0.851-1.936)	0.0392	0.588 (0.146-1.065)	0.139	0.435 (0.246-0.613)	0.00196	1.017 (0.703-2.355)	0.957	0.271 (0.213-0.312)	3.75E-06
M A12	0.914 (0.687-1.279)	0.374	2.003 (1.237-2.982)	0.00267	0.995 (0.348-1.758)	0.986	0.754 (0.438-1.425)	0.156	1.159 (0.837-1.734)	0.197	0.477 (0.196-0.945)	0.0707
M A6	0.561 (0.466-0.701)	0.000245	0.489 (0.233-1.325)	0.0465	0.87 (0.2-3.351)	0.774	1.285 (0.48-2.053)	0.327	1.632 (0.979-2.637)	0.0309	2.282 (1.283-3.2)	0.00147
M A7	1.121 (0.695-2.275)	0.589	0.848 (0.434-2.219)	0.77	1.944 (1.643-2.3)	0.158	1.307 (0.899-1.625)	0.0577	0.01*	No reps.	1.294 (0.987-2.006)	0.197

M B6	1.632 (1.12-2.638)	0.0113	1.139 (0.803-1.449)	0.305	0.867 (0.589-1.558)	0.412	0.706 (0.439-0.975)	0.0224	1.11 (0.709-1.689)	0.501	1.205 (0.922-1.776)	0.105
M C2	0.732 (0.639-0.871)	0.000908	0.848 (0.638-1.369)	0.226	0.95 (0.565-1.173)	0.689	1.145 (0.865-1.528)	0.197	0.801 (0.387-1.549)	0.278	1.664 (0.978-2.11)	0.00752
M C5	0.569 (0.452-0.611)	0.000643	0.351 (0.303-0.396)	0.0056	0.491 (0.278-0.943)	0.00895	0.307 (0.229-0.716)	0.00119	0.628 (0.453-0.965)	0.0593	0.0758 (0.0452-0.118)	0.000141
M D11	1.159 (0.559-1.765)	0.413	1.479 (1.071-2.172)	0.0571	0.632 (0.318-0.864)	0.06	0.868 (0.536-1.697)	0.49	0.839 (0.684-1.205)	0.435	0.396 (0.228-0.535)	0.00352
M D8	0.959 (0.416-1.414)	0.822	1.474 (1.219-2.145)	0.0217	2.373 (1.488-3.067)	0.013	1.581 (1.015-1.853)	0.0534	1.579 (1.28-2.326)	0.142	6.167 (3.304-8.963)	0.00385
M E11	0.929 (0.748-1.04)	0.208	1.355 (1.009-1.622)	0.071	0.68 (0.464-0.843)	0.00806	0.85 (0.65-1.089)	0.113	0.926 (0.707-1.233)	0.681	0.55 (0.344-0.831)	0.0461
M E12	1.046 (0.843-1.265)	0.596	0.979 (0.586-1.585)	0.895	0.704 (0.388-1.208)	0.135	0.701 (0.427-1.155)	0.0489	1.149 (0.65-1.487)	0.336	0.467 (0.379-0.704)	0.00258
M E2	1.422 (0.874-2.013)	0.0281	0.986 (0.678-1.218)	0.884	1.052 (0.806-1.43)	0.572	1.205 (1.014-1.586)	0.0753	1.307 (1.063-2)	0.0363	2.257 (1.348-4.453)	0.00386
M E3	1.234 (0.76-1.573)	0.119	1.152 (0.857-1.409)	0.196	0.848 (0.645-1.109)	0.113	0.826 (0.684-0.997)	0.0293	1.246 (0.579-1.707)	0.246	0.45 (0.206-0.718)	0.0102
M E4	1.183 (1.068-1.252)	0.0818	0.961 (0.624-1.541)	0.848	0.854 (0.462-1.344)	0.585	1.188 (0.719-1.963)	0.295	0.0625 (0.01-0.39)	0.372	1.23 (0.954-1.583)	0.0901
M E5	1.24 (1.051-1.381)	0.0346	1.282 (0.73-2.31)	0.235	0.504 (0.287-0.784)	0.0473	0.603 (0.448-0.83)	0.00378	0.968 (0.588-1.364)	0.911	0.656 (0.51-0.755)	0.00379
M E9	0.839 (0.63-0.949)	0.0745	0.824 (0.657-1.036)	0.041	0.963 (0.751-1.313)	0.649	0.967 (0.815-1.33)	0.68	0.938 (0.785-1.168)	0.415	6.183 (1.688-16.29)	0.00239
M F12	0.903 (0.499-1.229)	0.491	0.93 (0.854-1.08)	0.101	0.803 (0.454-0.944)	0.116	0.594 (0.442-0.695)	0.000506	1.016 (0.483-1.524)	0.93	0.0659 (0.0265-0.152)	0.00164
M F2	1.337 (0.745-1.896)	0.127	1.285 (0.74-2.362)	0.203	0.482 (0.204-0.824)	0.0233	0.33 (0.155-0.616)	0.00806	0.737 (0.637-0.909)	0.105	0.289 (0.202-0.404)	6.65E-05
M F6	0.924 (0.635-1.579)	0.575	1.131 (0.641-2.481)	0.606	0.633 (0.478-1.203)	0.0514	0.85 (0.662-1.423)	0.232	2.225 (1.501-2.71)	0.0555	0.625 (0.423-0.771)	0.00515
M G1	1.096 (0.534-1.525)	0.582	0.914 (0.457-1.709)	0.673	1.703 (1.226-3.443)	0.0481	1.814 (1.13-2.297)	0.00327	0.819 (0.409-1.554)	0.356	4.391 (3.172-6.37)	0.000255
M G10	0.986 (0.631-1.467)	0.909	0.737 (0.564-0.949)	0.0334	0.507 (0.277-0.76)	0.158	0.318 (0.186-0.404)	0.0013	1.608	No reps.	0.146 (0.0872-0.251)	0.000358
M G11	0.587 (0.351-0.835)	0.00995	0.48 (0.263-0.866)	0.0107	0.507 (0.349-0.861)	0.0196	0.371 (0.315-0.47)	2.00E-05	0.733 (0.38-1.355)	0.351	0.175 (0.0747-0.416)	0.00506
M G12	0.866 (0.627-1.462)	0.491	0.861 (0.514-1.619)	0.582	0.255 (0.0769-0.739)	0.0505	0.142 (0.0564-0.373)	0.00405	1.608	No reps.	0.042 (0.0237-0.0823)	0.000147
M G2	1.345 (1.085-2.088)	0.0285	1.248 (0.933-1.618)	0.085	0.796 (0.487-1.167)	0.217	0.468 (0.252-0.682)	0.0146	1.398 (0.727-3.308)	0.533	0.337 (0.234-0.458)	0.00127
M G3	0.814 (0.664-1.007)	0.0354	1.223 (0.375-2.673)	0.479	0.592 (0.36-0.965)	0.103	0.418 (0.187-0.724)	0.0116	1.481 (0.993-2.051)	0.0357	0.258 (0.112-0.616)	0.00529
M H1	1.044 (0.912-1.287)	0.722	0.62 (0.557-0.684)	0.000162	0.477 (0.382-0.641)	0.00638	0.418 (0.367-0.453)	2.74E-05	0.897	No reps.	0.295 (0.198-0.583)	0.00262
M H10	0.876 (0.483-1.545)	0.608	0.988 (0.462-1.557)	0.977	0.243 (0.0877-0.801)	0.0123	0.159 (0.0893-0.241)	0.000199	0.691	No reps.	0.0581 (0.0325-0.101)	0.000199
M H5	1.103 (0.998-1.254)	0.0582	0.843 (0.653-1.018)	0.0602	0.819 (0.672-0.976)	0.026	0.891 (0.587-1.018)	0.238	0.904 (0.571-1.297)	0.5	0.336 (0.149-0.669)	0.00964
M H6	1.35 (1.176-1.604)	0.00332	1.074 (0.576-1.756)	0.693	0.584 (0.181-1.245)	0.122	0.378 (0.269-0.533)	0.000785	0.919 (0.602-1.479)	0.589	0.0815 (0.034-0.157)	8.53E-05

MM A2	1.629 (1.483-1.871)	4.34E-05	0.696 (0.244-1.159)	0.2	1.038 (0.382-2.386)	0.911	2.708 (0.672-7.483)	0.0351	3.545 (2.152-9.5)	0.0323	2.911 (1.853-4.282)	0.00173
MM C2	5	No reps.	NO DATA	NO DATA	0.01*	No reps.	0.858 (0.708-1.018)	0.0846	NO DATA	NO DATA	0.826 (0.562-1.269)	0.386
MM D8	1.171 (1.128-1.216)	0.148	1.028 (0.778-1.439)	0.813	2.94 (1.176-16.62)	0.0766	1.823 (1.278-2.38)	0.0193	0.796 (0.342-1.378)	0.5	11.45 (3.714-25)	0.0131
MM F10	1.008 (0.756-1.659)	0.945	0.989 (0.706-1.493)	0.94	1.604 (1.028-2.293)	0.023	2.543 (1.821-3.305)	0.0337	0.732 (0.434-1.631)	0.232	17.5 (7.5-33)	0.00423
MM H10	1.299 (0.965-1.722)	0.0407	0.966 (0.721-1.599)	0.806	1.901 (1.116-3.557)	0.0103	1.434 (0.988-1.837)	0.0355	0.875 (0.569-1.298)	0.501	13.83 (4.212-42.5)	0.0045
MM H7	0.813 (0.514-1.097)	0.251	1.042 (0.745-1.288)	0.72	2.265 (1.743-2.901)	0.0309	1.507 (0.985-1.996)	0.00874	0.919 (0.699-1.447)	0.746	5.86 (2.914-16.18)	0.018
N A10	0.821 (0.677-1.088)	0.029	0.819 (0.661-0.921)	0.0211	0.986 (0.767-1.394)	0.89	1.185 (0.92-1.562)	0.125	0.877 (0.563-1.033)	0.439	8.945 (3.854-26.9)	0.000915
N A11	1.099 (0.944-1.301)	0.176	0.953 (0.681-1.705)	0.736	1.867 (1.088-3.699)	0.0436	2.7 (2.062-5.521)	0.0252	1.333 (0.742-2.394)	0.71	6.625 (4.258-11)	0.00279
N A3	1.099 (0.897-1.754)	0.479	1.038 (0.735-1.387)	0.741	1.48 (0.994-3)	0.0545	1.671 (0.961-2.682)	0.0359	0.603 (0.374-0.817)	0.0582	14.52 (8.178-49.3)	0.000195
N A5	1.054 (0.509-1.697)	0.9	0.862 (0.54-1.608)	0.462	0.245 (0.0709-1.086)	0.0522	0.17 (0.0739-0.336)	0.00152	0.669	No reps.	0.0943 (0.0688-0.178)	0.000148
N A6	1.107 (0.913-1.342)	0.259	0.895 (0.53-1.663)	0.587	1.741 (0.64-3.991)	0.0987	2.016 (1.74-2.534)	0.000507	0.817 (0.218-2.25)	0.709	7.978 (5.277-12.5)	0.00176
N A9	1.258 (0.711-2.081)	0.272	1.076 (0.707-1.343)	0.761	0.465 (0.212-1.049)	0.124	1.167 (0.782-1.922)	0.429	0.58 (0.351-1.072)	0.0307	2.137 (1.751-2.747)	0.00387
N B1	0.83 (0.661-1.236)	0.11	0.879 (0.679-1.278)	0.247	1.142 (0.857-1.813)	0.344	1.549 (0.999-2.905)	0.0389	0.843 (0.611-1.336)	0.387	30.18 (12.38-95)	0.000224
N B9	0.9 (0.758-1.214)	0.164	1.013 (0.731-1.387)	0.909	1.221 (0.73-1.694)	0.155	1.695 (1.186-2.57)	0.00759	0.849 (0.445-1.319)	0.536	22.62 (11.37-57.5)	6.57E-05
N C5	2.041 (1.805-2.307)	0.108	1.042 (0.856-1.268)	0.869	0.494	No reps.	0.503 (0.114-1.351)	0.167	0.01*	No reps.	0.813 (0.669-1.233)	0.237
N D11	1.262 (1.14-1.555)	0.00459	2.072 (0.788-3.273)	0.0209	1.478 (0.689-2.903)	0.171	1.434 (1.103-1.811)	0.00806	1.006 (0.596-1.287)	0.968	3.608 (2.686-4.465)	0.000159
N D4	1.171 (0.749-1.627)	0.565	0.997 (0.629-1.949)	0.989	0.316 (0.0687-0.75)	0.0528	0.296 (0.117-0.571)	0.00513	1.083 (1-1.173)	0.5	0.189 (0.132-0.454)	0.00187
N D6	1.32 (1.198-1.643)	0.0322	1.58 (1.088-2.619)	0.0519	1.61 (1.262-1.908)	0.00596	2.5 (1.565-4.12)	0.00399	0.924 (0.499-1.27)	0.74	16.32 (5.011-33)	0.00713
N E10	0.617 (0.378-0.978)	0.0892	0.547 (0.293-1.055)	0.15	1.572 (1.143-2.162)	0.391	2.304 (1.523-4.149)	0.0288	0.01*	No reps.	1.43 (0.943-2.5)	0.213
N E2	0.799 (0.573-1.013)	0.0595	0.65 (0.369-1.11)	0.0654	0.462 (0.3-0.827)	0.00392	0.485 (0.265-1.08)	0.0203	0.864 (0.687-1.004)	0.148	0.102 (0.0524-0.272)	0.000343
N E3	1.077 (0.899-1.397)	0.407	1.201 (0.899-1.771)	0.235	1.027 (0.826-1.318)	0.73	1.167 (0.993-1.402)	0.0775	0.923 (0.505-1.243)	0.575	2.522 (2.056-3.288)	3.91E-05
N E6	1.365 (1.199-1.972)	0.012	0.912 (0.718-1.232)	0.385	1.759 (1.131-2.888)	0.0365	2.269 (1.989-2.925)	0.00035	1.402 (0.725-2.627)	0.46	8.879 (5.086-19.5)	0.00455
N F1	0.818 (0.674-1.192)	0.0693	1.034 (0.704-1.533)	0.835	1.094 (0.692-1.786)	0.52	1.69 (1.366-2.242)	0.00558	0.905 (0.606-1.702)	0.623	7.299 (4.647-12.09)	0.000309
N F10	1.431 (0.828-1.997)	0.323	0.914 (0.725-1.153)	0.765	0.01*	No reps.	1.338 (1.018-1.84)	0.0503	NO DATA	NO DATA	0.356 (0.343-0.369)	0.0226
N F2	1.137 (0.803-1.61)	0.273	1.002 (0.489-1.539)	0.991	1.431 (0.768-3.047)	0.201	1.608 (1.216-3.041)	0.0465	1.07 (0.905-1.265)	0.756	19.82 (8.609-48.42)	0.00111
N F9	0.828 (0.482-1.216)	0.196	1.042 (0.838-1.54)	0.793	1.204 (0.636-1.891)	0.337	2.095 (1.574-3.588)	0.00721	0.888 (0.566-2.039)	0.558	6.336 (2.672-12.12)	0.000256

N G8	0.965 (0.617-1.498)	0.775	1.033 (0.773-1.212)	0.663	1.313 (0.177-3.365)	0.513	1.61 (1.057-2.186)	0.0195	2.259 (0.0521-5.26)	0.243	4.462 (2.76-7.489)	0.000302
N H7	1.153 (0.871-1.457)	0.113	0.846 (0.774-0.896)	0.000429	0.915 (0.669-1.151)	0.341	0.932 (0.728-1.179)	0.431	0.9 (0.732-1.261)	0.244	0.59 (0.528-0.653)	0.000265
NN A2	1.305 (0.905-1.881)	0.6	0.431 (0.385-0.505)	0.000728	0.868 (0.664-1.222)	0.514	0.722 (0.466-1.25)	0.083	5.5	No reps.	0.39 (0.318-0.478)	0.136
NN A4	1.23 (0.659-3.125)	0.706	0.993 (0.573-1.732)	0.972	0.193 (0.0954-0.571)	0.0961	0.3 (0.109-0.704)	0.014	1.482 (0.878-2.5)	0.59	0.226 (0.144-0.384)	0.00122
NN B9	1.164 (0.812-1.978)	0.49	1.394 (0.886-2.045)	0.197	0.244	No reps.	0.516 (0.171-0.802)	0.0364	1.863	No reps.	0.499 (0.403-0.673)	0.000352
NN C5	1.042 (0.444-1.764)	0.868	0.982 (0.692-2.426)	0.927	2.707 (2.135-3.415)	0.0181	1.946 (1.223-3.476)	0.0207	0.605 (0.368-0.984)	0.219	4.174 (1.595-14.26)	0.0553
NN D12	1.458 (1.114-2.042)	0.00652	1.436 (1.069-2.313)	0.0365	3.919 (2.408-5.497)	0.0318	2.215 (0.395-6.134)	0.0962	2.706 (1.783-5.347)	0.101	9.35 (6.411-17)	0.0178
NN D2	0.806 (0.694-0.91)	0.00462	0.861 (0.698-1.238)	0.141	1.146 (0.832-1.741)	0.29	1.374 (0.899-2.41)	0.215	0.833 (0.485-1.119)	0.199	30.49 (10.82-171.5)	0.0015
NN D4	0.842 (0.739-0.959)	0.412	1.176 (1.063-1.427)	0.0163	1.28 (0.561-2.831)	0.411	1.141 (0.957-1.838)	0.466	1.104 (0.667-2.174)	0.718	4.058 (2.853-5.027)	1.77E-05
NN D5	1.133 (0.947-1.27)	0.0507	0.929 (0.749-1.201)	0.375	1.003 (0.844-1.135)	0.951	1.273 (0.928-1.845)	0.121	0.893 (0.744-1.032)	0.108	4.964 (1.699-31.05)	0.0184
NN D7	1.657 (1.162-2.504)	0.00865	0.974 (0.765-1.367)	0.85	3.123 (1.604-6.334)	0.103	1.893 (0.976-3.165)	0.0166	1.016 (0.624-1.655)	0.98	7.801 (4.8-16.5)	0.0326
NN E1	1.007 (0.87-1.093)	0.841	1.451 (1.265-1.666)	0.000601	0.667 (0.483-1.09)	0.246	0.979 (0.914-1.166)	0.74	0.954 (0.772-1.29)	0.535	10.2 (3.564-43.38)	0.0162
NN E10	1.449 (1.057-1.951)	0.076	0.832 (0.766-0.869)	0.0472	0.977 (0.832-1.316)	0.892	0.633 (0.45-0.809)	0.0117	NO DATA	NO DATA	0.488 (0.452-0.526)	0.0666
NN E11	NO DATA	NO DATA	1.452	No reps.	0.01*	No reps.	0.868 (0.472-1.331)	0.49	NO DATA	NO DATA	0.487 (0.33-0.624)	0.0176
NN E8	2.084 (1-3.877)	0.0292	1.2 (0.979-1.644)	0.216	0.175 (0.061-0.501)	0.346	0.444 (0.12-1.082)	0.0428	1.629	No reps.	0.487 (0.412-0.564)	0.000143
NN E9	1.237 (0.91-1.69)	0.0529	NO DATA	NO DATA	1.543 (1.19-2.002)	0.344	4.219 (2.745-6.056)	0.0248	NO DATA	NO DATA	12.98 (9.549-17.64)	0.0758
NN F9	1.31 (1.027-1.708)	0.0857	1.148 (0.804-1.762)	0.609	0.398	No reps.	0.553 (0.368-0.641)	0.0225	2.585	No reps.	0.712 (0.62-0.815)	0.00272
NN G1	1.14 (0.905-1.315)	0.0656	0.804 (0.675-0.952)	0.00636	0.882 (0.761-0.961)	0.0167	0.919 (0.786-1.282)	0.298	0.775 (0.4-1.168)	0.195	0.479 (0.297-0.982)	0.0257
NN G6	0.759 (0.652-0.996)	0.0126	1.474 (1.301-1.668)	9.73E-05	1.242 (1-2.347)	0.25	0.851 (0.466-1.196)	0.311	0.806 (0.629-1.118)	0.0704	3.554 (2.561-5.797)	0.000385
NN G7	0.768 (0.291-1.119)	0.257	0.896 (0.818-0.957)	0.00771	0.859 (0.826-0.912)	0.00102	0.858 (0.752-0.989)	0.0304	0.762 (0.311-1.295)	0.269	0.263 (0.0101-0.824)	0.152
NN H12	0.781 (0.592-1.053)	0.128	1.003 (0.811-1.196)	0.964	1.344 (0.986-2.127)	0.0354	1.28 (0.788-1.869)	0.149	0.707 (0.579-0.864)	0.333	1.373 (1.168-1.539)	0.000501
NN H5	2.82 (1.86-4)	0.0435	0.947 (0.666-1.468)	0.767	0.109	No reps.	0.73 (0.576-0.895)	0.0308	NO DATA	NO DATA	0.501 (0.301-0.728)	0.0032
NN H6	1.923 (1.291-2.71)	0.0939	1.252 (0.927-1.804)	0.201	0.155	No reps.	0.566 (0.537-0.618)	0.00599	NO DATA	NO DATA	0.721 (0.406-1.112)	0.124
NN H9	0.699 (0.331-1.716)	0.388	0.936 (0.68-1.153)	0.546	1.206 (0.964-1.616)	0.139	1.114 (0.902-1.351)	0.388	0.01*	No reps.	2.008 (1.316-3.094)	0.00346
O A10	1.292 (1.024-1.583)	0.00777	2.471 (1.367-4.146)	0.00504	1.221 (0.806-1.81)	0.161	1.266 (0.729-1.587)	0.172	0.842 (0.408-1.242)	0.352	33.23 (12.26-113.5)	0.000202

O A8	0.947 (0.589-1.498)	0.86	4.241 (2.477-7.259)	0.227	0.01*	No reps.	2.146 (1.726-3.307)	0.0716	NO DATA	NO DATA	3.563	No reps.
O A9	1.063 (0.829-1.331)	0.443	1.116 (0.704-1.797)	0.503	2.083 (1.273-4.634)	0.0865	2.249 (1.456-3.49)	0.00404	1.42	No reps.	5.672 (3.789-11.22)	0.00522
O B1	1.087 (0.949-1.657)	0.375	2.172 (1.313-3.224)	0.00315	0.976 (0.613-1.602)	0.892	0.868 (0.544-1.058)	0.24	0.712 (0.54-1.039)	0.0523	28.84 (5.336-172)	0.00167
O B10	0.943 (0.324-1.516)	0.811	1.261 (0.937-1.95)	0.114	1.522 (1.019-2.259)	0.0524	1.656 (0.793-2.322)	0.0257	0.631 (0.4-1.094)	0.258	4.37 (2.18-11.15)	0.00236
O B3	1.086 (0.896-1.274)	0.237	1.08 (0.822-1.556)	0.643	1.133 (0.828-1.663)	0.327	2.135 (1.651-2.797)	0.000372	1.037 (0.752-1.83)	0.845	7.922 (4.318-24.24)	0.000542
O B6	0.845 (0.704-1.189)	0.0928	1.398 (0.858-1.817)	0.0634	0.963 (0.477-2.298)	0.879	1.773 (1.423-2.512)	0.00232	0.807 (0.521-1.174)	0.296	5.104 (2.46-9.375)	0.000367
O B7	1.188 (0.619-2.081)	0.337	1.629 (1.15-2.256)	0.0106	1.572 (1.003-2.745)	0.15	2.163 (1.728-3.102)	0.00171	1.063 (0.722-1.459)	0.739	7.772 (4-13)	0.0277
O B9	1.239 (0.447-2.193)	0.425	1.858 (1.194-2.825)	0.00544	3.318 (2.151-5.118)	0.221	1.439 (0.776-2.16)	0.112	1.048 (0.763-1.44)	0.906	7.474 (4-10.99)	0.0237
O C10	0.776 (0.475-1.078)	0.0761	0.876 (0.707-1.153)	0.156	1.295 (0.978-1.598)	0.0328	1.455 (0.983-2.035)	0.0223	0.666 (0.396-1.005)	0.0371	4.669 (2.462-9.592)	0.000518
O C11	0.896 (0.706-1.09)	0.219	0.89 (0.5-1.499)	0.644	1.194 (0.734-1.823)	0.313	1.916 (1.578-2.113)	0.000303	1.527 (0.882-3.604)	0.257	7.668 (5.205-11.88)	4.27E-06
O C2	0.601 (0.472-0.661)	0.000228	1 (0.742-1.476)	0.998	0.926 (0.608-1.213)	0.456	0.871 (0.763-0.986)	0.081	0.787 (0.576-1.373)	0.194	1.708 (0.962-2.707)	0.012
O C6	0.932 (0.718-1.121)	0.338	0.746 (0.553-0.934)	0.0108	1.073 (0.874-1.396)	0.429	1.265 (0.964-1.725)	0.0766	0.745 (0.38-1.113)	0.122	5.75 (1.285-70.12)	0.0563
O C7	1.155 (0.903-1.373)	0.0687	1.451 (1.11-2.042)	0.00606	1.587 (1.003-2.615)	0.0267	1.521 (1.156-2.004)	0.0535	0.48 (0.211-1.203)	0.0809	3.406 (2.668-4.928)	0.000309
O C8	1.268 (1.048-1.494)	0.0327	1.728 (1.249-2.99)	0.0152	1.383 (0.842-2.463)	0.0769	1.598 (1.173-2.134)	0.0185	0.755 (0.53-1.214)	0.106	6.963 (4.796-10.84)	4.28E-05
O C9	0.949 (0.715-1.166)	0.498	2.034 (1.275-3.479)	0.00733	1.298 (0.763-1.808)	0.256	1.911 (1.098-2.803)	0.00363	0.667 (0.454-1.263)	0.094	7.654 (3.609-26.3)	0.00405
O D10	1.105 (0.886-1.434)	0.22	1.068 (0.845-1.617)	0.602	1.178 (0.705-1.686)	0.316	1.546 (1.185-2.06)	0.00387	0.99 (0.511-1.711)	0.956	6.897 (4.956-11.35)	3.15E-05
O D12	0.993 (0.64-1.502)	0.968	0.786 (0.629-0.952)	0.00902	1.191 (0.843-1.869)	0.22	1.244 (0.837-2.281)	0.269	1.152 (0.809-2.064)	0.342	26.24 (9.087-219.5)	0.00254
O D3	0.725 (0.623-0.92)	0.116	0.695 (0.502-1.147)	0.289	0.01*	No reps.	0.659 (0.431-0.933)	0.0543	NO DATA	NO DATA	0.868 (0.535-1.698)	0.722
O D6	1.381 (1.027-1.636)	0.0154	1.281 (0.943-1.695)	0.0583	1.573 (0.871-2.787)	0.102	2.354 (1.762-3.674)	0.00374	0.919 (0.673-1.288)	0.59	5.634 (3.064-10.97)	0.000159
O D7	1.198 (1.002-1.4)	0.0168	2.096 (1.311-2.904)	0.00801	2.246 (1.562-3.437)	0.00338	2.025 (1.005-4.018)	0.0151	0.883 (0.594-1.729)	0.641	12.34 (2.926-39)	0.00401
O D9	1.147 (0.946-1.256)	0.0682	1.419 (0.942-2.155)	0.111	1.515 (0.934-2.077)	0.022	1.893 (1.364-3.128)	0.00579	0.85 (0.602-1.012)	0.144	10.82 (6.975-30.73)	0.000124
O E10	1.185 (0.955-1.345)	0.0205	1.174 (0.78-1.75)	0.288	1.298 (0.928-1.945)	0.0795	2.107 (1.444-3.467)	0.00534	0.983 (0.7-1.925)	0.93	5.628 (4.716-8.083)	5.70E-05
O E11	1.078 (0.835-1.511)	0.711	1.134 (0.774-1.975)	0.466	0.856 (0.832-0.882)	0.118	0.791 (0.354-1.093)	0.315	7	No reps.	0.644 (0.535-0.801)	0.00161
O E6	1.289 (1.166-1.419)	0.000672	1.342 (0.927-1.941)	0.0889	1.357 (0.689-2.338)	0.131	1.532 (0.973-2.345)	0.018	1.036 (0.667-2.419)	0.851	4.889 (3.373-6.484)	0.000178
O E7	1.675 (1.395-1.934)	0.00089	1.477 (0.907-2.271)	0.0248	1.738 (1.013-2.964)	0.0369	1.516 (0.576-2.897)	0.2	1.262 (0.662-2.322)	0.287	9.511 (4.384-14.63)	0.000387

O E8	1.206 (0.791-1.403)	0.0844	1.16 (1.094-1.322)	0.0115	1.052 (0.933-1.233)	0.33	1.205 (1.016-1.801)	0.082	0.927 (0.606-1.177)	0.459	6.026 (1.221-39.12)	0.0238
O E9	1.268 (1.176-1.44)	0.065	1.169 (0.89-1.371)	0.0522	1.061 (0.819-1.31)	0.543	1.335 (1.083-2.007)	0.0368	1.007 (0.746-1.684)	0.958	7.487 (1.913-32.02)	0.00523
O F11	1.038 (0.57-1.619)	0.817	1.333 (1.025-2.028)	0.0365	1.372 (0.968-2.025)	0.0239	1.962 (1.499-3.403)	0.0133	1.226 (0.753-1.553)	0.184	6.659 (4.335-12.53)	0.000484
O F6	1.249 (0.755-1.767)	0.152	1.177 (0.93-1.628)	0.182	1.364 (1.235-1.605)	0.0121	1.356 (1.022-1.856)	0.0227	0.84 (0.531-1.184)	0.379	3.171 (2.156-4.459)	0.000204
O F7	1.154 (0.948-1.286)	0.0255	1.031 (0.78-1.355)	0.715	1.048 (0.912-1.251)	0.432	1.162 (1.083-1.431)	0.0184	0.835 (0.463-1.233)	0.24	5.227 (2.959-10.57)	0.00187
O F8	1.065 (0.573-1.341)	0.647	1.45 (0.914-2.32)	0.0688	2.143 (1.489-2.695)	0.000322	2.306 (1.572-3.83)	0.00585	1.054 (0.615-2.079)	0.784	13.01 (6.912-42)	0.000378
O G12	0.791 (0.386-1.276)	0.35	0.619 (0.29-1.55)	0.183	7.532 (4.816-11.78)	0.139	5.003 (1.518-26.71)	0.0619	NO DATA	NO DATA	3.627 (1.633-6.432)	0.000985
O G6	1.241 (0.812-1.641)	0.13	1.319 (0.971-1.723)	0.0463	1.214 (0.949-1.555)	0.123	1.29 (1.061-1.502)	0.00443	1.223 (0.503-2.907)	0.573	5.128 (3.683-6.233)	1.96E-05
O G7	1.134 (0.798-1.799)	0.425	0.983 (0.79-1.204)	0.848	2.207 (1.462-3.081)	0.0162	1.983 (1.706-2.256)	0.00127	1.046 (0.645-1.796)	0.843	3.91 (2.3-8.048)	0.000606
O G8	1.074 (0.81-1.219)	0.426	0.838 (0.565-1.096)	0.141	1.131 (0.901-1.363)	0.17	1.227 (1.116-1.314)	0.000257	0.732 (0.327-1.214)	0.138	3.335 (2.842-4.68)	1.84E-05
O G9	1.123 (0.828-1.63)	0.422	1.045 (0.745-1.448)	0.766	1.527 (0.997-2.302)	0.0318	1.695 (1.345-2.526)	0.00903	0.631 (0.355-1.089)	0.0599	3.29 (2.547-3.819)	0.000943
O H12	1.514 (1.441-1.61)	5.06E-05	1.284 (0.955-1.763)	0.119	1.663 (1.096-1.98)	0.00885	2.15 (1.349-3.953)	0.00535	1.187 (0.687-1.944)	0.391	21.79 (12.34-78.5)	0.00583
O H5	1.111 (0.864-1.456)	0.241	1.024 (0.807-1.486)	0.806	1.296 (0.894-1.998)	0.0695	1.422 (0.638-2.641)	0.189	0.952 (0.673-1.843)	0.843	3.652 (2.16-5.856)	0.00217
OO A10	1.284 (0.532-1.866)	0.459	1.278 (0.786-1.984)	0.182	0.751 (0.51-1.022)	0.146	0.704 (0.529-0.927)	0.0198	0.01*	No reps.	0.434 (0.293-0.655)	0.0695
OO B6	NO DATA	NO DATA	1.819	No reps.	0.01*	No reps.	0.317 (0.271-0.379)	5.78E-05	NO DATA	NO DATA	0.526 (0.371-0.708)	0.00619
OO C1	1.011 (0.443-1.748)	0.965	1.062 (0.695-2.009)	0.73	1.003 (0.617-1.75)	0.99	0.518 (0.395-0.638)	0.000897	NO DATA	NO DATA	0.452 (0.33-0.671)	0.00324
OO C7	1.455 (0.918-2.076)	0.0308	1.574 (1.206-2.181)	0.0184	0.965 (0.654-1.253)	0.873	0.884 (0.587-1.239)	0.431	7.5	No reps.	1.321 (0.974-1.902)	0.116
OO D11	0.811 (0.641-0.96)	0.0335	0.725 (0.621-0.811)	0.000555	1.016 (0.881-1.171)	0.782	1.05 (0.771-1.615)	0.703	1.024 (0.616-1.484)	0.864	1.935 (1.103-4.973)	0.0477
OO E4	2.603 (2.353-2.879)	0.067	NO DATA	NO DATA	0.01*	1	0.589 (0.271-0.916)	0.142	NO DATA	NO DATA	0.417 (0.247-0.662)	0.0245
OO F3	1.132 (0.889-1.318)	0.238	1.112 (0.616-1.649)	0.542	3.156 (2.976-3.347)	0.0325	1.726 (1.113-3.204)	0.0448	1.939	No reps.	11.5	No reps.
OO G10	0.88 (0.555-1.308)	0.426	1.05 (0.673-1.708)	0.778	1.593 (1.119-2.385)	0.0336	2.021 (1.269-2.98)	0.00347	0.888 (0.599-1.341)	0.419	7.135 (4.888-16.13)	0.000108
OO G12	1.754 (0.917-2.868)	0.105	NO DATA	NO DATA	0.448 (0.33-0.798)	0.109	0.406 (0.282-0.547)	0.000201	NO DATA	NO DATA	0.298 (0.17-0.404)	0.000443
OO G2	1.327 (0.815-2.027)	0.188	0.741 (0.241-1.094)	0.354	1.2 (0.905-1.389)	0.325	0.469 (0.376-0.544)	3.37E-05	1	No reps.	0.37 (0.28-0.59)	0.00293
OO G3	0.911 (0.69-1.23)	0.396	1.122 (0.754-1.625)	0.38	1.432 (0.945-2.886)	0.415	2.251 (1.158-4.762)	0.0135	1.688 (0.724-8)	0.291	6.448 (0.622-12.4)	0.0426
OO G8	0.927 (0.833-0.966)	0.0201	0.664 (0.583-0.763)	0.00115	1.138 (0.88-1.512)	0.226	1.279 (0.879-1.985)	0.129	0.784 (0.63-0.944)	0.0067	4.616 (1.475-40.71)	0.0458

OO H11	1.435 (0.897-2.963)	0.162	1.022 (0.567-1.773)	0.931	0.739 (0.656-0.832)	0.238	0.632 (0.491-0.844)	0.00355	3	No reps.	0.466 (0.359-0.815)	0.00636
OO H3	1.104 (0.95-1.287)	0.188	0.958 (0.796-1.252)	0.696	1.737 (1.133-4.152)	0.0381	1.706 (1.114-2.174)	0.00483	1.147 (0.746-1.929)	0.555	2.824 (1.647-6.114)	0.00354
OO H4	1.013 (0.84-1.39)	0.916	0.726	No reps.	0.932 (0.85-1.023)	0.589	0.924 (0.575-1.808)	0.696	0.016	No reps.	1.194 (0.704-2.026)	0.794
OO H9	2.074	No reps.	0.01*	No reps.	NO DATA	NO DATA	1.62 (0.995-2.08)	0.0216	NO DATA	NO DATA	1.1 (0.996-1.214)	0.514
P A10	1.101 (0.119-2.679)	0.712	1.624 (0.01-5.291)	0.161	1.499 (1.12-2.007)	0.021	1.361 (0.291-4.25)	0.359	0.667 (0.554-0.82)	0.0702	4.231 (0.647-8.88)	0.00137
P B3	1.035 (0.01-1.95)	0.948	5	No reps.	2.175 (0.916-3.435)	No reps.	1.472 (0.01-3.277)	0.157	1.518	No reps.	0.649 (0.4-0.933)	0.348
P B6	1.115 (0.01-3.7)	0.758	0.83 (0.384-1.206)	0.425	6.219 (4.626-8.361)	0.102	1.726 (0.01-8.5)	0.342	2.747	No reps.	5.092 (4.241-7)	0.00949
P C10	1.1 (0.01-2.91)	0.722	1.009 (0.174-2.4)	0.972	1.392 (0.809-3.596)	0.375	2.091 (0.508-5.058)	0.0117	0.584 (0.381-1.051)	0.0334	4.69 (0.0915-9.777)	0.00209
P C2	0.858 (0.01-2.067)	0.613	0.795 (0.101-1.849)	0.38	1.232 (0.312-2.808)	0.633	1.436 (0.01-4.151)	0.19	0.883 (0.67-1.491)	0.471	2.434 (0.484-5.29)	0.00433
P D1	1.145 (0.33-1.979)	0.442	1.263 (0.627-2.715)	0.198	1.064 (0.919-1.259)	0.672	1.085 (0.355-1.46)	0.574	0.01*	No reps.	0.955 (0.01-4)	0.851
P D10	0.788 (0.01-1.675)	0.443	0.712 (0.0227-1.312)	0.369	1.093 (0.0307-3.307)	0.787	1.363 (0.01-3.039)	0.35	0.754 (0.112-1.271)	0.449	12.42 (0.159-151.7)	0.00198
P D12	1.569 (0.802-2.405)	0.247	1.176 (0.01-1.635)	0.732	1.246 (0.919-2.079)	0.386	1.063 (0.548-1.777)	0.637	0.396	No reps.	0.6 (0.01-1.197)	0.409
P D3	1 (0.742-1.495)	0.995	0.955 (0.631-1.382)	0.565	1.192 (0.686-2.074)	0.178	1.451 (0.707-3.249)	0.0603	0.848 (0.411-1.589)	0.277	6.931 (1.587-29.98)	0.00198
P D6	1.268 (0.925-1.562)	0.277	1.123 (0.261-1.866)	0.604	NO DATA	NO DATA	1.529 (1.129-1.794)	0.186	1.615	No reps.	3.204 (2.35-3.66)	0.00152
P E11	1.11 (0.01-2.579)	0.753	0.973 (0.0215-2.152)	0.948	0.896 (0.793-1.058)	0.0489	1.005 (0.01-1.965)	0.988	0.98 (0.829-1.367)	0.797	2.616 (1.435-8.347)	0.0278
P E2	0.692 (0.01-1.877)	0.186	0.9 (0.472-1.637)	0.609	1.228 (0.453-2.32)	0.331	1.256 (0.307-2.61)	0.238	1.339 (0.01-2.248)	0.438	2.054 (0.792-4.307)	0.00114
P E3	1.408 (0.156-3.561)	0.255	1.11 (0.108-3.007)	0.705	1.08 (0.0986-2.427)	0.785	1.109 (0.121-2.306)	0.709	1.311 (0.12-3.678)	0.362	0.848 (0.116-1.934)	0.561
P E5	0.896 (0.0773-1.931)	0.733	1.102 (0.0129-3.076)	0.735	1.03 (0.34-2.208)	0.924	1.726 (0.331-3.424)	0.0975	0.826 (0.491-1.246)	0.45	4.875 (2.617-23.14)	0.103
P E6	1.02 (0.01-2.141)	0.952	1.189 (0.821-1.711)	0.192	1.036 (0.0678-2.73)	0.914	1.78 (0.01-4.542)	0.102	1.163 (0.89-1.774)	0.271	6.458 (0.01-16.63)	0.00101
P E8	0.89 (0.01-2.115)	0.766	0.907 (0.01-2.208)	0.766	0.832 (0.104-1.759)	0.632	1.159 (0.0109-4.102)	0.646	0.821 (0.507-1.641)	0.321	5.872 (0.01-55.97)	0.0015
P E9	0.984 (0.65-1.542)	0.894	1.064 (0.0152-2.899)	0.721	0.759 (0.418-1.123)	0.276	1.099 (0.0762-1.819)	0.532	3.522 (3.063-4.051)	0.0704	0.972 (0.652-1.704)	0.853
P F11	1.119 (0.01-2.309)	0.746	0.846 (0.539-1.146)	0.233	0.908 (0.661-1.054)	0.226	1.09 (0.01-2.51)	0.794	1.116 (0.973-1.308)	0.107	2.962 (0.01-29.48)	0.0456
P F12	0.978 (0.01-2.223)	0.92	0.945 (0.0857-1.804)	0.84	1.451 (0.225-2.409)	0.398	1.295 (0.643-2.548)	0.286	0.711 (0.573-0.988)	0.309	1.856 (0.531-3.715)	0.266
P F3	0.92 (0.0387-2.975)	0.777	0.82 (0.0513-1.809)	0.518	1.074 (0.0499-2.676)	0.817	1.174 (0.0716-2.669)	0.596	1.019 (0.0126-3.939)	0.951	4.225 (0.0985-30.9)	0.00398
P F5	1.049 (0.209-2.131)	0.821	1.002 (0.092-2.944)	0.995	1.137 (0.145-2.292)	0.726	1.748 (0.0537-4.504)	0.0887	1.186 (0.01-3.665)	0.756	4.284 (0.648-12.74)	0.00986

P F8	0.787 (0.01-1.6)	0.477	1.001 (0.01-2.044)	0.997	0.907 (0.0522-1.904)	0.796	1.053 (0.01-3.057)	0.868	0.868 (0.0462-1.544)	0.702	4.106 (0.01-16.99)	0.00788
P G1	1.02 (0.289-2.27)	0.931	1.952 (0.102-4.789)	0.0898	0.884 (0.223-1.718)	0.539	1.01 (0.171-2.201)	0.972	1.056 (0.22-1.54)	0.717	9.549 (0.979-33.38)	0.000819
P G3	1.017 (0.01-2.614)	0.957	1.85 (0.0897-5.151)	0.123	1.565 (0.632-3.437)	0.309	1.771 (0.125-4.24)	0.0816	0.754 (0.2-1.799)	0.317	6.152 (0.01-16.66)	0.00147
P G6	0.942 (0.01-1.845)	0.802	0.993 (0.302-2.505)	0.978	1.533 (0.912-3.15)	0.109	2.041 (0.639-4.612)	0.0382	1.045 (0.818-1.336)	0.886	3.112 (0.832-14.43)	0.00788
P G8	0.739 (0.01-1.968)	0.372	0.802 (0.0143-1.74)	0.511	1.026 (0.0277-3.595)	0.931	1.281 (0.0507-2.211)	0.48	0.916 (0.579-1.507)	0.639	4.222 (0.0154-12.49)	0.0481
P G9	1.108 (0.817-1.317)	0.29	2.01 (1.445-2.98)	0.00504	0.987 (0.581-2.034)	0.953	1.393 (1.103-2.049)	0.0331	0.544 (0.259-0.872)	0.0148	14.28 (0.707-35.59)	0.0704
P H5	1.042 (0.0345-2.653)	0.888	2.249 (0.0325-5.923)	0.0347	1.135 (0.239-1.658)	0.699	1.124 (0.0536-2.587)	0.678	0.737 (0.502-0.982)	0.0286	34.77 (0.872-296)	8.07E-06
PINK A12	1.092 (0.936-1.275)	0.67	2.015 (1.254-3.45)	0.0259	0.58 (0.566-0.595)	0.0296	1.196 (0.834-1.49)	0.108	NO DATA	NO DATA	0.73 (0.489-1.159)	0.0426
PINK A3	1.062 (0.887-1.188)	0.321	1.115 (0.916-1.326)	0.0948	1.067 (0.851-1.395)	0.466	1.09 (0.926-1.707)	0.406	0.833 (0.457-1.182)	0.269	2.512 (1.299-3.903)	0.00466
PINK A6	1.187 (1.029-1.302)	0.00445	1.59 (1.162-2.702)	0.1	1.048 (0.791-1.378)	0.702	1.404 (0.921-1.739)	0.0379	0.868 (0.66-1.259)	0.268	20.89 (0.831-266)	0.0193
PINK B1	1.363 (0.758-2.295)	0.267	0.646 (0.566-0.823)	0.069	0.461 (0.337-0.65)	0.0552	0.449 (0.392-0.55)	0.000179	1.099 (0.936-1.29)	0.662	0.233 (0.151-0.29)	2.45E-05
PINK B10	1.251 (1.012-1.54)	0.0296	0.887 (0.216-1.901)	0.725	0.555 (0.269-1.026)	0.0328	0.406 (0.278-0.529)	0.00154	1.518	No reps.	0.339 (0.293-0.366)	0.000217
PINK B11	1.289 (0.86-1.549)	0.0747	1.01 (0.434-2.518)	0.979	0.257 (0.102-1.23)	0.104	0.313 (0.204-0.384)	0.00399	NO DATA	NO DATA	0.318 (0.282-0.383)	3.66E-05
PINK B8	0.965 (0.591-1.285)	0.753	0.967 (0.786-1.206)	0.671	1.272 (0.928-2.214)	0.117	1.789 (1.183-2.57)	0.0408	1.277 (0.815-1.697)	0.092	33.98 (11.17-142.5)	0.00299
PINK C1	0.877 (0.67-0.995)	0.107	0.84 (0.613-1.487)	0.318	0.716 (0.283-1.207)	0.378	0.42 (0.331-0.564)	0.000104	0.789 (0.438-1.356)	0.384	0.277 (0.179-0.38)	0.000582
PINK C11	1.2 (0.784-1.809)	0.262	1.408 (0.655-2.292)	0.137	0.744 (0.513-1.04)	0.177	0.606 (0.417-0.793)	0.01	1.19 (0.715-1.98)	0.79	0.486 (0.343-0.683)	0.00175
PINK C2	1.225 (0.8-1.811)	0.202	1.35 (0.741-2.006)	0.143	0.491 (0.262-1.054)	0.122	0.327 (0.25-0.397)	3.66E-05	NO DATA	NO DATA	0.294 (0.208-0.359)	1.67E-05
PINK C5	1.788 (1.185-3.128)	0.00922	1.13 (0.624-1.968)	0.545	0.701 (0.204-1.683)	0.45	0.474 (0.374-0.563)	0.000595	3	No reps.	0.375 (0.312-0.46)	0.000168
PINK C7	1.484 (0.48-2.694)	0.27	1.374 (0.88-1.817)	0.0714	0.29	No reps.	0.545 (0.285-0.792)	0.0152	NO DATA	NO DATA	0.56 (0.347-0.794)	0.0145
PINK C8	1.079 (0.647-1.893)	0.652	1.668 (1.1-3.213)	0.0341	1.087 (0.01-2.231)	0.828	1.532 (0.928-2.353)	0.0423	2.416 (1.54-3.343)	0.00348	6.01 (3.217-10.47)	0.000168
PINK D10	1.124 (0.73-1.692)	0.565	1.174 (0.687-1.709)	0.29	0.913 (0.559-1.45)	0.697	0.545 (0.478-0.625)	3.24E-05	1.311 (1.206-1.426)	0.191	0.313 (0.219-0.446)	0.000505
PINK D3	1.83 (0.987-3.738)	0.0561	1.33 (0.453-2.602)	0.346	0.665 (0.242-1.26)	0.508	0.198 (0.01-0.46)	0.0963	1.936 (1.249-5)	0.13	0.261 (0.185-0.425)	8.50E-05
PINK D4	1.875 (1-3.015)	0.0719	1.648 (1.045-2.832)	0.0766	0.384 (0.297-0.63)	0.061	0.484 (0.232-0.794)	0.0509	NO DATA	NO DATA	0.356 (0.139-0.615)	0.0561
PINK D5	1.113 (0.821-1.478)	0.295	1.753 (1.318-2.181)	0.00106	0.933 (0.575-1.398)	0.669	0.951 (0.794-1.061)	0.335	2.514 (1.654-4.525)	0.00275	0.195 (0.0867-0.322)	0.00463
PINK D6	1.427 (0.744-2.314)	0.277	1.401 (0.914-1.793)	0.0571	0.628 (0.288-1.396)	0.415	0.426 (0.244-0.702)	0.00642	NO DATA	NO DATA	0.467 (0.292-0.853)	0.00313

PINK E10	0.932 (0.813-1.012)	0.106	0.829 (0.655-0.954)	0.0189	0.587 (0.325-0.841)	0.0179	0.5 (0.304-0.61)	0.00126	0.752 (0.553-1.231)	0.123	0.0504 (0.0288-0.0859)	0.000231
PINK E11	1.243 (1.01-1.613)	0.11	1.593 (1.005-2.491)	0.042	0.376 (0.0906-0.932)	0.0482	0.245 (0.111-0.565)	0.00383	0.0907 (0.01-0.822)	0.473	0.0704 (0.0374-0.126)	0.00025
PINK E12	1.561 (1.225-1.969)	0.00155	1.079 (0.795-1.57)	0.636	0.3 (0.18-0.614)	0.0824	0.242 (0.0274-0.529)	0.0294	1.593	No reps.	0.272 (0.179-0.418)	0.000134
PINK E2	1.642 (1.297-1.982)	0.000601	1.578 (0.771-2.787)	0.0678	0.379 (0.0886-0.969)	0.0763	0.216 (0.11-0.369)	0.00348	0.788 (0.308-1.041)	0.277	0.0268 (0.0118-0.0605)	0.000426
PINK E3	0.964 (0.748-1.199)	0.665	0.916 (0.598-1.301)	0.619	0.573 (0.423-0.734)	0.00377	0.546 (0.408-0.729)	0.00236	0.785 (0.744-0.829)	0.139	0.151 (0.0935-0.249)	6.51E-05
PINK E4	1.307 (0.979-1.986)	0.0898	1.003 (0.527-1.786)	0.991	0.169 (0.0487-1.334)	0.109	0.145 (0.0341-0.303)	0.00297	NO DATA	NO DATA	0.0395 (0.0181-0.0776)	0.000571
PINK E5	1.367 (0.997-1.875)	0.503	1.259 (0.771-2.633)	0.397	0.191 (0.0709-0.325)	0.0797	0.246 (0.119-0.393)	0.0117	0.395	No reps.	0.0284 (0.0173-0.0604)	7.62E-06
PINK E6	1.23 (1.032-1.369)	0.0184	1.212 (0.813-2.225)	0.324	0.488 (0.187-0.943)	0.28	0.362 (0.237-0.513)	0.00104	1.205 (0.696-1.926)	0.594	0.0993 (0.0438-0.202)	0.000125
PINK E7	1.556 (1.196-2.246)	0.0184	1.648 (0.857-2.506)	0.0204	0.747 (0.359-1.226)	0.221	0.543 (0.192-0.808)	0.0498	1.357 (0.551-2.39)	0.42	0.635 (0.455-0.919)	0.02
PINK E8	0.499 (0.421-0.579)	6.66E-05	0.724 (0.283-1.502)	0.396	0.759 (0.579-1.488)	0.181	0.416 (0.213-1.018)	0.0104	10.5	No reps.	0.473 (0.408-0.587)	0.000293
PINK E9	0.955 (0.795-1.463)	0.641	0.807 (0.69-0.923)	0.0165	0.546 (0.257-0.896)	0.0314	0.366 (0.205-0.668)	0.00198	0.804 (0.654-1.213)	0.0581	0.0408 (0.0175-0.0766)	5.99E-05
PINK F1	1.154 (1.023-1.312)	0.0137	0.679 (0.469-0.797)	0.0527	0.858 (0.665-0.985)	0.0599	0.799 (0.526-1.23)	0.0979	0.942 (0.564-1.366)	0.688	0.318 (0.212-0.42)	0.00112
PINK F10	1.057 (0.894-1.469)	0.595	0.787 (0.694-0.875)	0.00154	1.387 (1.09-1.582)	0.00708	1.394 (0.977-1.663)	0.0324	0.904 (0.619-1.192)	0.658	4.873 (3.667-6.663)	1.37E-05
PINK F11	0.762 (0.469-1.026)	0.0551	0.775 (0.52-1.031)	0.0546	1.253 (0.732-1.825)	0.15	1.242 (0.86-1.75)	0.151	0.618 (0.454-1)	0.187	2.602 (0.929-5.236)	0.0183
PINK F2	0.961 (0.482-1.259)	0.798	1.022 (0.745-1.493)	0.862	0.61 (0.248-1.159)	0.139	0.548 (0.462-0.628)	0.000537	0.822 (0.447-1.252)	0.326	0.15 (0.103-0.199)	8.55E-05
PINK F3	1.099 (0.393-1.73)	0.702	1.563 (0.936-2.447)	0.148	0.51 (0.136-1.413)	0.434	0.308 (0.17-0.502)	0.0017	0.958 (0.504-1.807)	0.885	0.174 (0.0861-0.421)	0.00246
PINK F7	1.914 (1.488-2.462)	0.236	1.406 (0.516-3.09)	0.422	0.103 (0.0189-0.417)	0.0619	0.155 (0.0721-0.302)	0.00144	0.592	No reps.	0.0857 (0.05-0.162)	0.000211
PINK F9	1.728 (1.563-1.991)	2.96E-05	1.348 (1.05-1.798)	0.0613	0.811 (0.602-1.126)	0.101	1.046 (0.903-1.619)	0.65	1.104 (0.642-1.552)	0.483	0.651 (0.434-1.099)	0.035
PINK G1	1.098 (0.86-1.46)	0.297	0.955 (0.715-1.319)	0.681	1.204 (0.813-1.644)	0.211	0.96 (0.749-1.176)	0.623	0.983 (0.461-1.641)	0.941	1.934 (1.576-2.217)	5.34E-05
PINK G12	1.183 (0.707-1.54)	0.213	1.161 (1.062-1.227)	0.00436	1.112 (0.579-1.844)	0.519	1.446 (1.048-2.413)	0.0425	0.99 (0.806-1.331)	0.909	3.042 (2.031-6.465)	0.00156
PINK G2	1.572 (1.291-1.973)	0.00287	1.767 (1.328-2.327)	0.00107	0.807 (0.588-1.691)	0.452	0.74 (0.435-0.959)	0.0749	1.237 (0.747-2.163)	0.561	0.835 (0.583-1.014)	0.0962
PINK G3	1.014 (0.764-1.476)	0.904	1.026 (0.811-1.303)	0.746	1.705 (1.169-2.267)	0.0153	1.313 (1.012-1.699)	0.0294	0.993 (0.517-2.498)	0.984	3.006 (2.111-6.761)	0.0017
PINK G5	1.123 (0.823-2.119)	0.434	1.531 (0.884-2.102)	0.0219	0.577 (0.212-1.642)	0.381	0.339 (0.153-0.525)	0.00422	1.518	No reps.	0.284 (0.184-0.476)	0.00821
PINK H1	1.293 (0.623-3.135)	0.418	1.363 (1.099-1.816)	0.0235	0.415 (0.391-0.44)	0.0425	0.469 (0.293-0.599)	0.00235	NO DATA	NO DATA	0.345 (0.285-0.448)	0.000145
PINK H3	1.377 (1.149-1.783)	0.00702	1.198 (0.7-1.479)	0.172	1.209 (0.764-1.726)	0.225	1.327 (1.118-1.539)	0.00535	0.796 (0.55-1.053)	0.119	2.687 (1.947-3.649)	8.59E-05

PINK H4	1.164 (0.956-1.483)	0.0633	2.644 (2.333-3.006)	1.16E-06	1.233 (0.61-2.294)	0.377	0.868 (0.556-1.058)	0.207	1.258 (0.789-1.804)	0.309	0.275 (0.112-0.736)	0.024
PINK H7	1.341 (1.178-1.586)	0.0204	1.166 (0.82-1.738)	0.441	0.375 (0.0829-1.042)	0.123	0.315 (0.156-0.45)	0.00409	2.022 (1.556-2.629)	0.227	0.148 (0.0592-0.262)	0.00269
PINK H9	1.256 (0.843-1.464)	0.0423	1.069 (0.886-1.222)	0.221	1.23 (0.796-1.494)	0.0933	1.31 (1.018-1.726)	0.027	0.876 (0.477-1.828)	0.578	10.54 (5.043-34.98)	0.000357
PP A7	1.303 (0.662-2.726)	0.585	2.484 (2.384-2.62)	0.000936	1.155 (0.925-1.405)	0.356	0.52 (0.322-1.126)	0.0345	NO DATA	NO DATA	0.38 (0.263-0.619)	0.0123
PP B12	2.5	No reps.	1.152 (0.863-1.537)	0.71	0.01*	No reps.	0.796 (0.546-1.871)	0.252	NO DATA	NO DATA	0.751 (0.467-1.443)	0.485
PP B7	0.822 (0.418-1.373)	0.334	1.067 (0.78-1.552)	0.532	0.679 (0.442-1.118)	0.135	0.541 (0.329-0.78)	0.013	3.285	No reps.	0.563 (0.407-0.919)	0.00376
PP B8	2.837	No reps.	1.785 (0.91-3.5)	0.548	0.01*	No reps.	0.838 (0.575-1.533)	0.34	NO DATA	NO DATA	0.641 (0.336-0.873)	0.138
PP B9	0.01*	No reps.		0.461	No reps.	0.0938	No reps.	0.413 (0.197-0.608)	0.0114	NO DATA	NO DATA	0.425 (0.213-0.694)	0.0409
PP C2	0.964 (0.701-1.482)	0.752	0.972 (0.46-1.578)	0.907	0.186 (0.0733-0.466)	0.0385	0.193 (0.105-0.285)	0.000134	0.961	No reps.	0.0905 (0.0435-0.162)	0.000517
PP C3	1.253 (0.868-1.752)	0.221	0.99 (0.458-1.711)	0.967	0.518 (0.183-1.288)	0.217	0.358 (0.207-0.472)	0.0129	1.275 (0.897-1.812)	0.615	0.276 (0.221-0.37)	0.00151
PP C8	1 (0.497-1.647)	1	1.204 (0.881-2.112)	0.434	0.442 (0.0925-1.024)	0.179	0.403 (0.182-0.638)	0.00862	2.57 (1.887-3.5)	0.201	0.275 (0.251-0.291)	3.40E-05
PP D1	1.036 (0.907-1.169)	0.595	1.036 (0.6-1.928)	0.883	0.357 (0.124-0.981)	0.126	0.209 (0.102-0.339)	0.00111	3.509	No reps.	0.213 (0.146-0.38)	0.000626
PP D10	0.909 (0.823-1.119)	0.0827	2.044 (1.658-2.683)	0.000195	1.22 (0.766-1.846)	0.22	1.097 (0.838-1.443)	0.331	0.766 (0.532-0.939)	0.0535	2.71 (1.473-3.608)	0.000672
PP D11	0.884 (0.755-1.077)	0.17	0.79 (0.362-1.016)	0.21	1.165 (0.919-1.582)	0.18	1.428 (0.71-3.244)	0.183	0.624 (0.54-0.711)	0.000895	4.554 (3.832-6.447)	1.10E-05
PP D3	1.249 (1.056-1.498)	0.04	1.272 (1.235-1.31)	0.0771	0.44 (0.394-0.491)	0.0848	0.432 (0.378-0.477)	0.000665	3	No reps.	0.364 (0.299-0.499)	5.47E-05
PP D4	0.876 (0.575-1.334)	0.55	0.81 (0.515-1.035)	0.194	0.81 (0.571-1.207)	0.138	0.735 (0.594-1.075)	0.0687	0.01*	No reps.	0.391 (0.298-0.608)	0.000506
PP D6	1.188 (0.91-1.713)	0.14	1.11 (0.756-1.575)	0.438	0.884 (0.635-1.141)	0.233	0.695 (0.634-0.73)	1.24E-05	1.478 (1.166-1.823)	0.0119	0.208 (0.103-0.34)	0.00391
PP D7	1.18 (0.872-1.509)	0.134	1.502 (1.193-1.919)	0.00223	1.004 (0.557-1.77)	0.983	0.981 (0.767-1.186)	0.77	2.076 (1.027-3.527)	0.00942	0.238 (0.0745-0.495)	0.011
PP D8	0.854 (0.614-1.482)	0.371	1.136 (0.912-1.607)	0.23	0.752 (0.418-1.258)	0.183	0.519 (0.42-0.59)	7.89E-05	3.442 (3.251-3.567)	0.000543	0.14 (0.0685-0.248)	0.000857
PP D9	0.738 (0.599-0.88)	0.0133	1.155 (0.988-1.246)	0.00776	0.784 (0.332-1.403)	0.364	0.56 (0.483-0.622)	1.62E-05	1.099 (0.721-1.732)	0.694	0.249 (0.111-0.45)	0.00531
PP E10	0.766 (0.598-1.073)	0.266	1.137 (0.394-2.681)	0.661	0.262 (0.0532-0.97)	0.0676	0.13 (0.01-0.462)	0.0147	1.619 (1.095-2.394)	0.434	0.137 (0.104-0.188)	3.02E-05
PP E2	1.268 (0.941-1.779)	0.0984	1.205 (0.567-2.957)	0.57	0.567 (0.226-1.406)	0.212	0.315 (0.213-0.487)	0.000281	1.187 (0.799-1.991)	0.379	0.135 (0.0767-0.212)	0.000326
PP E4	1.044 (0.883-1.191)	0.459	1.493 (1.125-1.952)	0.00536	0.846 (0.502-1.208)	0.3	0.667 (0.461-1.164)	0.0374	0.908 (0.602-1.274)	0.472	0.503 (0.268-1.113)	0.043
PP E5	1.091 (0.799-1.388)	0.416	1.422 (1.207-1.558)	0.000405	0.77 (0.555-1.071)	0.215	0.658 (0.425-1.004)	0.0267	1.566 (0.979-3.395)	0.121	0.183 (0.0793-0.302)	0.000593
PP E6	1.225 (1.001-1.572)	0.0194	1.774 (1.538-2.205)	0.000107	0.686 (0.475-1.022)	0.0265	0.583 (0.421-0.884)	0.00506	1.271 (0.852-1.667)	0.105	0.134 (0.0451-0.272)	0.00395

PP E7	1.516 (1.177-1.746)	0.0181	1.585 (0.846-4.339)	0.101	0.296 (0.0524-0.887)	0.138	0.31 (0.174-0.573)	0.0011	NO DATA	NO DATA	0.346 (0.257-0.585)	0.0109
PP E8	0.935 (0.682-1.397)	0.691	1.238 (0.954-1.834)	0.227	0.415 (0.204-0.592)	0.035	0.334 (0.137-0.561)	0.00312	0.01*	No reps.	0.241 (0.193-0.296)	0.00756
PP E9	1.056 (0.965-1.298)	0.371	1.446 (1.196-2.209)	0.0292	0.554 (0.42-0.725)	0.0037	0.556 (0.308-0.835)	0.00752	0.897 (0.485-1.372)	0.673	0.268 (0.145-0.416)	0.00222
PP F4	0.831 (0.652-1.058)	0.584	0.934 (0.49-1.815)	0.811	0.386 (0.176-0.897)	0.181	0.22 (0.108-0.345)	0.00445	1.978	No reps.	0.211 (0.168-0.259)	5.07E-06
PP F7	1.414 (1.166-1.951)	0.166	1.167 (0.85-2.127)	0.397	0.58 (0.549-0.598)	0.00254	0.463 (0.242-0.699)	0.00312	NO DATA	NO DATA	0.308 (0.16-0.522)	0.00116
PP F9	1.25 (1.034-1.616)	0.0296	1.597 (1.26-1.995)	0.00532	0.859 (0.602-1.149)	0.287	0.657 (0.377-0.883)	0.0354	1.118 (0.661-1.751)	0.449	0.234 (0.104-0.497)	0.00361
PP G1	0.798 (0.671-1.301)	0.0786	0.409 (0.375-0.434)	9.74E-05	0.402 (0.183-0.831)	0.0343	0.245 (0.184-0.332)	3.49E-05	1.095	No reps.	0.118 (0.0915-0.18)	6.37E-05
PP G2	0.915 (0.704-1.302)	0.487	0.741 (0.473-1.139)	0.186	0.161 (0.0641-0.552)	0.035	0.154 (0.0741-0.271)	0.000457	NO DATA	NO DATA	0.081 (0.0574-0.2)	0.000403
PP G3	0.116 (0.101-0.142)	2.03E-07	1.871 (1.304-2.405)	0.00631	1.189 (0.607-2.952)	0.535	0.123 (0.0927-0.14)	3.94E-07	0.121 (0.0635-0.154)	1.77E-05	0.773 (0.274-1.365)	0.406
PP G6	0.558 (0.312-0.968)	0.0159	0.758 (0.416-1.187)	0.146	0.867 (0.488-1.48)	0.381	0.552 (0.48-0.679)	0.000163	0.854 (0.748-0.916)	0.141	0.259 (0.194-0.371)	0.000495
PP G7	1.09 (0.443-2.207)	0.872	1.23 (0.955-1.62)	0.181	0.01*	No reps.	0.441 (0.284-0.595)	0.00282	NO DATA	NO DATA	0.403 (0.307-0.571)	0.000568
PP H2	1.112 (0.654-2.174)	0.792	1.214 (0.628-2.643)	0.689	0.362 (0.0809-1.397)	0.178	0.19 (0.0821-0.24)	0.000199	NO DATA	NO DATA	0.146 (0.121-0.177)	3.43E-07
PP H6	1.131 (0.858-1.725)	0.27	1.379 (0.131-2.549)	0.461	0.911 (0.751-1.018)	0.0994	0.876 (0.741-1.006)	0.0421	1.314 (1.009-1.97)	0.0461	0.104 (0.044-0.199)	0.000378
PP H7	1.082 (0.82-1.61)	0.48	0.988 (0.82-1.586)	0.908	0.843 (0.592-1.59)	0.315	0.596 (0.486-0.703)	0.00055	1.289 (1.079-1.54)	0.389	0.597 (0.456-0.815)	0.00212
PP H8	1.025 (0.828-1.196)	0.844	0.879 (0.74-1.034)	0.114	0.615 (0.26-1.744)	0.131	0.4 (0.295-0.476)	0.000437	NO DATA	NO DATA	0.26 (0.199-0.372)	0.000442
Q B12	1.272 (0.959-1.49)	0.0158	1.261 (1.05-1.405)	0.00315	1.17 (0.919-1.663)	0.144	1.479 (1.074-2.286)	0.0231	1.612 (1.008-3.146)	0.0679	9.661 (3.65-20.45)	0.00019
Q C4	1.539 (1.463-1.604)	0.000332	1.159 (0.755-2.091)	0.676	0.727 (0.0938-1.36)	No reps.	0.629 (0.243-1.038)	0.246	19.71	No reps.	0.706 (0.539-1.18)	0.03
Q C7	1.001 (0.544-1.62)	0.995	1.669 (0.766-2.255)	0.179	2.089 (1.191-3.609)	0.012	2.427 (1.923-3.122)	0.00447	1.386 (0.882-1.948)	0.3	3.818 (2.745-4.944)	3.17E-05
Q D2	1.35 (1.015-1.741)	0.0995	0.849 (0.46-1.394)	0.412	0.671 (0.377-1.37)	0.145	0.608 (0.431-0.699)	0.00105	0.842 (0.482-1.365)	0.626	0.402 (0.27-0.52)	0.000239
Q D3	1.414 (0.962-1.972)	0.0196	1.37 (0.507-2.252)	0.198	1.767 (1.158-2.381)	0.00239	2.067 (1.806-2.713)	0.000562	2.264 (1.862-2.753)	0.149	6.223 (3.851-12.21)	0.000108
Q F6	1.889	No reps.	NO DATA	NO DATA	0.01*	No reps.	1.17 (0.751-1.485)	0.552	4.961	No reps.	0.693 (0.378-1.659)	0.267
Q F9	1.034 (0.71-1.437)	0.839	0.899 (0.694-1.251)	0.289	2.816	No reps.	1.453 (1.214-1.803)	0.0369	NO DATA	NO DATA	2.62 (1.965-5.016)	0.0219
Q G9	1.328 (0.892-1.831)	0.311	1.234 (1.118-1.362)	0.279	0.01*	No reps.	0.697 (0.587-0.961)	0.154	NO DATA	NO DATA	0.508 (0.339-0.802)	0.113
Q H3	1.198 (0.831-1.767)	0.314	1.008 (0.629-1.772)	0.965	0.286 (0.131-0.553)	0.00871	0.199 (0.138-0.26)	1.51E-05	1.21 (1.036-1.424)	0.174	0.0255 (0.0106-0.049)	0.000351
Q H5	1.092 (0.65-1.691)	0.657	0.961 (0.548-1.308)	0.817	0.425 (0.275-0.689)	0.00311	0.298 (0.245-0.403)	4.76E-05	1.299 (0.998-1.837)	0.284	0.0673 (0.0397-0.102)	9.30E-05

QQ A10	0.889 (0.749-1.004)	0.0814	1.044 (0.702-1.467)	0.832	1.467 (0.97-2.665)	0.0402	1.975 (1.501-3.206)	0.00134	0.894 (0.718-1.048)	0.255	5.278 (2.752-7.484)	7.70E-05
QQ A6	0.926 (0.776-1.154)	0.271	0.77 (0.607-0.898)	0.0275	1.133 (0.897-1.608)	0.283	1.632 (1.143-2.756)	0.0145	0.943 (0.493-1.421)	0.701	29.11 (8.151-171)	0.00709
QQ B1	1.068 (0.82-1.392)	0.844	0.786 (0.556-1.11)	0.612	0.251 (0.16-0.449)	0.0454	0.217 (0.115-0.334)	0.000261	NO DATA	NO DATA	0.182 (0.113-0.245)	0.000478
QQ B5	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	3.054 (2.734-3.24)	0.00245	NO DATA	NO DATA	0.759 (0.636-1.042)	0.225
QQ B6	2	No reps.	0.53	No reps.	0.237	No reps.	0.73 (0.597-1)	0.0654	NO DATA	NO DATA	0.997 (0.82-1.147)	0.972
QQ C2	0.657 (0.629-0.687)	0.0668	0.512 (0.296-0.859)	0.0114	0.615 (0.407-1.309)	0.0434	0.415 (0.286-0.557)	0.000532	0.852 (0.517-1.406)	0.803	0.132 (0.0766-0.224)	0.000474
QQ C9	0.693 (0.382-0.925)	0.0395	0.707 (0.631-0.812)	0.000546	1.077 (0.842-1.411)	0.447	1.219 (0.902-1.848)	0.103	0.864 (0.565-1.219)	0.311	2.331 (0.946-6.424)	0.0522
QQ D1	3.404 (1.5-7.723)	0.375	NO DATA	NO DATA	0.01*	No reps.	1.03 (0.781-1.71)	0.883	NO DATA	NO DATA	0.658 (0.396-1.067)	0.189
QQ D12	1.427 (1.193-1.799)	0.0995	1.736 (1.608-2.07)	0.00273	NO DATA	NO DATA	0.575 (0.437-0.737)	0.0185	NO DATA	NO DATA	1.035 (0.729-2.02)	0.842
QQ D4	0.729 (0.31-1.183)	0.537	0.632 (0.433-0.884)	0.0707	0.504 (0.29-0.952)	0.0234	0.269 (0.154-0.462)	0.000264	NO DATA	NO DATA	0.244 (0.166-0.295)	0.000158
QQ D6	0.499 (0.368-0.732)	0.00818	0.652 (0.3-1.78)	0.372	2.204 (1.748-2.823)	0.0294	0.813 (0.67-0.93)	0.00753	NO DATA	NO DATA	0.503 (0.391-0.74)	0.0171
QQ E1	1.275 (0.881-1.998)	0.318	1.024 (0.867-1.146)	0.666	3.851 (3.627-4.089)	0.0283	1.355 (1.187-1.761)	0.146	0.881	No reps.	1.02 (0.738-1.4)	0.909
QQ E2	1.2 (0.936-1.437)	0.291	0.83 (0.75-0.908)	0.0319	0.204	No reps.	0.501 (0.3-0.591)	0.00148	NO DATA	NO DATA	0.446 (0.291-0.656)	0.00136
QQ F1	0.87 (0.627-1.278)	0.235	0.875 (0.526-1.755)	0.558	1.543 (0.867-2.312)	0.0413	1.406 (1.178-1.688)	0.00232	1.264 (0.702-2.414)	0.437	3.124 (1.65-4.751)	0.00373
QQ F3	0.828 (0.372-1.367)	0.37	0.979 (0.695-1.458)	0.84	1.161 (0.95-1.307)	0.0267	1.096 (0.918-1.228)	0.16	0.878 (0.624-1.149)	0.455	2.018 (1.743-2.417)	3.66E-05
QQ G10	0.548 (0.49-0.676)	0.000573	0.691 (0.51-0.957)	0.041	0.818 (0.632-1.032)	0.0651	0.641 (0.453-0.947)	0.0246	1.32 (1.271-1.371)	0.0868	0.47 (0.393-0.617)	0.000647
QQ G4	0.762 (0.469-1.022)	0.116	1.59 (0.725-5.431)	0.255	0.929 (0.306-2.66)	0.826	1.126 (0.706-1.492)	0.333	1.116 (0.761-1.927)	0.44	6.701 (4.102-21.45)	0.000744
QQ H12	1.466 (1.061-1.95)	0.0322	1.349 (1.059-1.663)	0.0116	0.662 (0.268-1.963)	0.313	0.582 (0.49-0.678)	0.000145	7.5	No reps.	0.534 (0.355-0.725)	0.00551
RR A2	0.96 (0.803-1.262)	0.566	0.831 (0.635-1.145)	0.108	1.102 (0.855-1.422)	0.374	1.46 (1.155-1.849)	0.00501	1.032 (0.894-1.299)	0.576	9.105 (4.972-23.86)	0.000454
RR B11	NO DATA	NO DATA	1	No reps.	0.01*	No reps.	0.447 (0.338-0.508)	0.00355	NO DATA	NO DATA	0.287 (0.267-0.309)	0.0372
RR B12	0.985 (0.764-1.291)	0.866	0.984 (0.718-1.656)	0.921	1.636 (1.189-2.968)	0.0222	1.773 (1.272-2.114)	0.0748	0.69 (0.352-1.242)	0.185	5.179 (3.087-7.777)	6.76E-05
RR B9	1.762 (1.225-2.5)	0.111	1.75 (1.53-2.001)	0.15	0.279 (0.255-0.306)	0.0459	0.36 (0.181-0.536)	0.00153	NO DATA	NO DATA	0.408 (0.212-0.574)	0.00163
RR C3	0.986 (0.824-1.234)	0.841	1.026 (0.841-1.418)	0.786	1.484 (0.776-3.48)	0.135	1.851 (1.262-2.885)	0.0131	0.654 (0.336-0.925)	0.0924	9.937 (4.674-25.26)	0.000207
RR D11	1.052 (0.864-1.213)	0.452	1.258 (0.89-1.788)	0.0891	2.311 (0.987-12.22)	0.127	1.885 (0.876-4.369)	0.0567	0.619 (0.526-0.695)	0.0293	6.828 (5.128-11.49)	4.94E-05
RR D4	1.376 (1.268-1.457)	0.0168	1.099 (0.824-1.728)	0.492	1.243 (0.949-1.881)	0.0892	1.329 (0.997-1.685)	0.0426	0.964 (0.614-1.673)	0.794	3.782 (2.871-5.042)	3.57E-05

RR F5	0.928 (0.843-1.024)	0.0624	0.989 (0.734-1.438)	0.92	1.2 (0.946-1.683)	0.0709	1.585 (1.145-2.657)	0.0106	1.004 (0.686-1.238)	0.966	10.18 (7.304-17.86)	1.61E-05
RR G1	3.648	No reps.	1.208 (1.166-1.288)	0.028	0.0724	No reps.	0.693 (0.616-0.743)	0.025	6.5	No reps.	0.588 (0.467-0.713)	0.0112
RR G5	1.007 (0.666-1.405)	0.956	1.014 (0.763-1.707)	0.933	2.118 (1.38-2.569)	0.0138	2.115 (1.949-2.255)	0.000263	0.902 (0.626-1.598)	0.555	12.78 (6.273-18.5)	0.019
RR G7	0.788 (0.381-1.092)	0.201	2.12 (1.57-2.748)	0.000371	1.067 (0.508-1.522)	0.75	0.882 (0.491-1.229)	0.498	0.78 (0.356-1.231)	0.224	9.313 (0.785-54.46)	0.00683
RR H5	2.271	No reps.	0.733 (0.723-0.742)	0.026	0.304 (0.212-0.538)	0.0541	0.451 (0.237-0.553)	0.00822	2.164	No reps.	0.323 (0.245-0.462)	0.000479
S A1	1.142 (0.788-2.011)	0.69	0.107 (0.0439-0.221)	0.000348	0.163 (0.0601-0.548)	0.0115	0.394 (0.247-0.498)	0.000375	0.232 (0.157-0.465)	0.00901	0.656 (0.463-0.985)	0.125
S A2	1.338 (0.973-1.72)	0.0359	1.511 (1.194-2.018)	0.00619	1.624 (1.103-2.218)	0.00698	2.397 (1.696-3.583)	0.00368	2.143 (1.808-2.802)	8.04E-05	13.19 (9.07-20.73)	4.83E-06
S B1	0.87 (0.803-0.948)	0.0278	0.757 (0.659-0.901)	0.00149	1.052 (0.903-1.252)	0.386	1.077 (0.877-1.434)	0.455	0.956 (0.801-1.171)	0.506	1.824 (0.954-5.351)	0.117
S B2	0.794 (0.591-0.926)	0.0269	0.769 (0.605-0.87)	0.00478	2.126 (1.451-4.387)	0.0242	1.866 (1.64-2.069)	0.000136	0.948 (0.696-1.258)	0.603	6.52 (3.256-11.22)	0.000284
S B7	1.064 (0.814-1.927)	0.645	0.911 (0.525-1.62)	0.627	0.941 (0.806-1.151)	0.345	1.049 (0.788-1.296)	0.654	1.176 (0.662-2.101)	0.364	2.22 (1.471-2.684)	0.000347
S D4	0.945 (0.854-1.043)	0.338	0.994 (0.572-1.621)	0.978	0.913 (0.812-1.026)	0.579	0.949 (0.609-1.169)	0.671	0.01*	No reps.	1.061 (0.942-1.223)	0.284
S E12	1.124 (0.682-1.721)	0.567	1.472 (0.75-2.449)	0.114	0.597 (0.317-0.997)	0.055	0.676 (0.411-0.843)	0.037	1.939 (1.709-2.2)	0.12	0.52 (0.472-0.653)	0.000391
S E2	0.964 (0.755-1.088)	0.523	0.987 (0.734-1.444)	0.937	1.014 (0.841-1.276)	0.857	1.1 (0.62-1.442)	0.479	0.924 (0.635-1.364)	0.608	2.297 (1.39-3.998)	0.00582
S E9	1.35 (1.04-1.669)	0.0184	1.096 (0.593-2.055)	0.682	0.756 (0.384-1.178)	0.15	0.761 (0.588-1.027)	0.0193	NO DATA	NO DATA	0.468 (0.314-0.661)	0.00399
S F11	1.098 (0.681-1.451)	0.465	1.299 (1.022-2.123)	0.0698	1.189 (0.942-1.526)	0.0854	2.111 (1.717-2.539)	0.000318	0.772 (0.385-1.219)	0.422	14.88 (5.933-51.5)	0.000484
S G2	0.843 (0.01-1.977)	0.673	1.465 (1.283-1.58)	5.00E-05	1.182 (0.98-1.553)	0.0981	1.24 (0.957-1.721)	0.123	0.933 (0.511-1.525)	0.673	5.364 (2.099-26.64)	0.00802
S G3	0.845 (0.43-1.26)	0.411	1.712 (1.016-2.537)	0.0119	1.276 (1.023-1.53)	0.0245	1.462 (1.187-1.7)	0.00228	1.198 (0.642-2.027)	0.412	7.968 (1.067-12.89)	0.0801
T A1	1.604	No reps.	NO DATA	NO DATA	3.309	No reps.	1.811 (1.646-1.884)	0.000341	NO DATA	NO DATA	1.064 (1-1.132)	0.5
T A11	2.394 (1.47-5.323)	0.0516	1.092 (0.715-1.35)	0.486	1.698 (0.991-2.248)	0.188	1.661 (1.488-1.955)	0.0045	1.293	No reps.	5.153 (2.299-8.743)	0.000572
T A2	1.363 (1.285-1.509)	0.000582	1.52 (1.114-2.116)	0.00961	1.523 (1.059-2.373)	0.0136	1.861 (1.447-2.359)	0.0123	1.521 (0.937-2.025)	0.0878	4.419 (2.094-7.215)	0.000387
T B10	0.784 (0.502-1.303)	0.124	0.784 (0.592-0.941)	0.0188	1.987 (1.178-3.422)	0.0726	2.331 (1.58-3.22)	0.00181	1.12 (0.971-1.357)	0.372	4.543 (2.937-8.258)	0.000927
T B3	0.959 (0.709-1.308)	0.834	0.819 (0.526-1.394)	0.304	0.623 (0.354-0.832)	0.0369	0.433 (0.235-0.554)	0.0062	0.01*	No reps.	0.47 (0.37-0.668)	0.00912
T B7	1.306 (0.788-1.603)	0.0578	1.169 (0.751-1.413)	0.154	0.936 (0.86-1.065)	0.149	1.128 (0.954-1.485)	0.134	1.552 (0.968-2.651)	0.0334	0.592 (0.272-1.327)	0.161
T C1	0.58 (0.484-0.767)	0.000362	0.439 (0.284-0.772)	0.0105	1.081 (0.254-3.501)	0.869	1.287 (0.753-1.995)	0.208	0.928 (0.291-1.585)	0.784	2.749 (2.128-3.324)	5.53E-05
T C12	1.619 (1.19-2.572)	0.0304	1.007 (0.696-1.459)	0.988	0.126	No reps.	0.548 (0.419-0.729)	0.00236	NO DATA	NO DATA	0.45 (0.32-0.582)	0.000515

T C3	0.652 (0.424-0.885)	0.00823	0.921 (0.416-1.481)	0.676	1.647 (0.942-3.22)	0.04	1.174 (0.818-1.444)	0.135	1.708 (1.369-1.999)	0.0423	1.56 (1.121-2.782)	0.0527
T C7	0.716 (0.295-1.138)	0.35	1.025 (0.759-1.342)	0.727	0.616 (0.452-0.874)	0.128	0.792 (0.638-1.41)	0.104	1.406 (1.2-1.78)	0.105	0.406 (0.306-0.853)	0.115
T C8	0.929 (0.756-1.127)	0.359	1.109 (1.015-1.285)	0.06	1.306 (0.902-1.656)	0.0844	1.778 (1.495-2.002)	0.000133	1.426 (0.993-2.688)	0.219	8.804 (5.257-14.63)	1.94E-05
T D11	1.062 (0.724-1.532)	0.662	1.081 (0.793-1.319)	0.446	1.364 (1.176-1.579)	0.0231	1.563 (1.008-3.126)	0.0774	2.267 (1.796-3)	0.00453	0.734 (0.373-1.005)	0.188
T E10	0.983 (0.815-1.262)	0.824	1.034 (0.736-1.89)	0.847	1.091 (0.685-1.407)	0.745	1.208 (0.846-1.745)	0.212	2.419 (2.239-2.547)	0.00199	0.82 (0.614-1.052)	0.138
T E2	1.357 (0.969-2.46)	0.085	1.308 (1.03-1.881)	0.0656	1.57 (0.999-1.993)	0.00557	1.955 (1.499-2.707)	0.000552	0.994 (0.369-1.926)	0.982	3.47 (2.271-5.096)	0.000924
T E3	1.049 (0.804-1.588)	0.693	0.895 (0.744-1.094)	0.109	1.185 (0.831-1.801)	0.233	1.464 (1.146-2.015)	0.017	1.051 (0.764-1.404)	0.639	17.67 (7.522-58.93)	0.000416
T E4	1.244 (0.828-2.194)	0.235	1.185 (0.819-1.596)	0.179	2.103 (1.551-2.692)	0.0442	3.068 (2.016-8.197)	0.011	1.323 (0.566-2.293)	0.583	5.287 (3-6.527)	3.37E-05
T E6	1.474 (1.22-1.689)	0.000973	1.428 (1.126-1.994)	0.0146	1.415 (0.982-1.99)	0.015	2.211 (1.738-2.488)	2.17E-05	1.198 (0.654-1.883)	0.505	8.983 (6.039-17.53)	5.37E-05
T F10	0.926 (0.646-1.226)	0.482	0.875 (0.705-1.026)	0.251	1.605 (1.177-2.953)	0.11	1.765 (1.152-2.457)	0.00383	1.333	No reps.	5.473 (2.825-10.74)	0.00914
T F2	1.093 (0.728-1.648)	0.497	0.692 (0.198-1.468)	0.339	0.909 (0.774-1.096)	0.221	1.002 (0.846-1.324)	0.982	0.871 (0.586-1.377)	0.392	8.755 (1.891-73.1)	0.0372
T F5	1.492 (1.116-1.992)	0.00437	1.376 (1.273-1.542)	0.00079	1.136 (0.649-2.007)	0.585	1.525 (0.957-2.718)	0.0823	0.82 (0.467-1.048)	0.272	3.236 (1.828-4.728)	0.0102
T F6	1.448 (0.646-2.271)	0.156	1.085 (0.861-1.327)	0.283	0.673 (0.291-1.18)	0.124	0.747 (0.572-0.906)	0.00695	1.064 (0.875-1.292)	0.805	0.571 (0.461-0.732)	0.00226
T F7	1.82 (1.447-2.445)	0.000783	1.448 (1.047-2.096)	0.0128	0.886 (0.477-1.352)	0.517	0.905 (0.718-1.243)	0.448	0.534 (0.407-0.89)	0.133	1.03 (0.681-1.297)	0.809
T G2	1.908 (1.45-2.697)	0.0011	1.957 (1.195-2.876)	0.00277	0.57 (0.418-0.913)	0.0149	1.081 (0.788-1.249)	0.391	1.053 (0.687-1.582)	0.735	1.467 (1.038-2.523)	0.0332
T G6	1.039 (0.739-1.46)	0.697	2.291 (1.773-2.797)	5.37E-05	1.019 (0.571-1.588)	0.922	0.831 (0.476-1.122)	0.238	0.716 (0.492-0.978)	0.0399	0.875 (0.505-1.295)	0.44
T G9	0.804 (0.43-1.455)	0.432	0.992 (0.733-1.356)	0.949	1.239 (0.914-1.714)	0.127	1.912 (1.389-3.709)	0.00624	0.905 (0.516-1.418)	0.589	5.014 (2.455-11.69)	0.000878
T H3	1.329 (0.835-1.754)	0.348	0.835 (0.541-1.632)	0.362	0.706 (0.352-0.988)	0.0866	0.724 (0.535-0.907)	0.0785	1.38 (0.993-1.976)	0.108	0.415 (0.316-0.697)	0.0155
T H9	1.777 (1.346-2.231)	0.00138	1.329 (0.952-2.092)	0.0566	0.467 (0.204-0.969)	0.0377	0.663 (0.592-0.841)	0.00396	0.627 (0.254-1.433)	0.271	0.522 (0.379-0.77)	0.00344
TT A2	0.865 (0.678-1.232)	0.134	0.801 (0.628-0.905)	0.0112	1.043 (0.944-1.258)	0.35	1.166 (0.919-1.572)	0.192	0.902 (0.527-1.365)	0.469	8.55 (1.12-285)	0.0798
TT A9	1.294 (0.973-1.77)	0.0439	1.121 (0.924-1.292)	0.148	0.593 (0.479-0.801)	0.017	0.703 (0.386-1.135)	0.0692	0.522 (0.255-1.068)	0.53	0.514 (0.425-0.665)	0.00285
TT B12	0.64 (0.396-2.541)	0.267	0.818 (0.506-1.459)	0.348	1.997 (1.208-4.31)	0.092	1.835 (1.311-2.286)	0.00102	0.01*	No reps.	2.372 (1.405-3.405)	0.00489
TT B6	1.451 (1.13-1.723)	0.00372	0.987 (0.74-1.302)	0.896	0.887 (0.806-1.043)	0.0763	0.976 (0.762-1.297)	0.765	1.148 (0.876-1.775)	0.336	0.619 (0.378-0.779)	0.00939
TT B9	NO DATA	NO DATA	1.116 (1.075-1.158)	0.207	0.01*	1	0.537 (0.398-0.6)	0.00837	NO DATA	NO DATA	0.275 (0.189-0.387)	0.00429
TT C1	2.106 (1.589-2.82)	0.000209	1.026 (0.684-1.387)	0.853	1.379 (0.926-3)	0.495	0.897 (0.645-1.483)	0.393	0.745	No reps.	0.563 (0.35-0.729)	0.039

TT C12	0.712 (0.469-0.901)	0.0444	0.699 (0.557-0.754)	0.000721	1.003 (0.0781-2.026)	0.993	1.144 (0.855-1.619)	0.243	1.009 (0.703-1.649)	0.945	1.534 (1.074-2.759)	0.0813
TT D10	2.542 (1.856-3.482)	0.207	0.713 (0.587-1.068)	0.0933	0.465	No reps.	0.55 (0.428-0.926)	0.013	4.022	No reps.	0.494 (0.408-0.748)	0.00306
TT D11	1.999 (1.629-2.499)	0.000901	1.008 (0.695-1.402)	0.958	1.156 (0.873-1.686)	0.231	0.948 (0.656-1.249)	0.676	2.196 (1.754-3.339)	0.00214	0.646 (0.369-0.993)	0.0633
TT D6	1.11 (0.919-1.594)	0.334	1.395 (0.673-2.693)	0.198	0.725 (0.51-1.336)	0.251	0.936 (0.813-1.035)	0.215	0.658 (0.504-0.859)	0.361	0.501 (0.424-0.635)	0.000517
TT E12	1.476 (1.452-1.5)	0.0264	1.098 (0.628-1.605)	0.668	1.071 (0.983-1.138)	0.26	1.481 (0.819-3.11)	0.0907	NO DATA	NO DATA	0.466 (0.268-0.567)	0.00554
TT E5	1.739 (1.195-2.292)	0.00636	1.337 (1.092-1.569)	0.00899	1.02 (0.385-1.659)	0.956	0.728 (0.366-1.587)	0.174	1.196 (1.157-1.237)	0.118	0.474 (0.315-0.787)	0.00423
TT E9	1.422 (0.802-2.27)	0.163	1.228 (0.877-1.648)	0.0901	0.605 (0.429-1.086)	0.0179	0.62 (0.532-0.882)	0.00604	0.513 (0.39-0.596)	0.0398	0.55 (0.472-0.669)	9.28E-05
TT F3	1.481 (0.851-1.952)	0.0299	3.333 (2.595-5.051)	0.000491	1.05 (0.524-1.727)	0.817	0.846 (0.553-1.322)	0.223	1.208 (0.742-1.717)	0.206	2.351 (1.094-5.131)	0.0304
TT F9	0.997 (0.468-2.122)	0.993	0.892 (0.639-1.815)	0.578	0.334 (0.0979-1.006)	0.125	0.268 (0.141-0.407)	0.000996	1.007 (0.386-1.882)	0.99	0.247 (0.159-0.348)	0.000533
TT G10	1.053 (0.826-1.326)	0.517	2.012 (1.83-2.202)	1.47E-06	1.22 (0.836-1.513)	0.111	1.207 (0.931-1.599)	0.0796	1.367 (0.799-1.705)	0.0464	3.032 (1.54-5.879)	0.00385
TT G12	1.368 (0.95-1.842)	0.0264	2.989 (1.968-4.72)	0.000429	1.539 (0.981-2.707)	0.0266	1.606 (1.21-1.861)	0.000679	2.57 (1.999-3.209)	5.83E-05	1.306 (0.499-2.933)	0.355
TT G3	1.249 (0.817-2.063)	0.202	0.891 (0.724-1.114)	0.153	0.536	No reps.	0.52 (0.4-0.738)	0.0144	NO DATA	NO DATA	0.647 (0.528-0.95)	0.00139
TT G4	1.614 (1.021-2.552)	0.486	1.544 (1.24-2.153)	0.0421	0.216 (0.106-0.772)	0.138	0.413 (0.177-0.642)	0.0055	1.671	No reps.	0.316 (0.222-0.427)	0.0002
TT G6	1.523 (1.314-1.805)	0.00042	1.435 (1.149-1.855)	0.00457	1.07 (0.691-1.643)	0.651	1.198 (1.109-1.336)	0.00185	1.018 (0.483-1.422)	0.916	1.989 (1.714-2.278)	9.73E-06
TT G9	1	No reps.	2.294 (1.754-3)	0.199	0.365	No reps.	0.498 (0.448-0.616)	0.00233	0.412	No reps.	0.706 (0.591-0.866)	0.0885
TT H1	1.449 (0.799-2.393)	0.113	1.913 (1.158-3.869)	0.215	0.392	No reps.	0.636 (0.442-0.874)	0.00408	NO DATA	NO DATA	0.342 (0.168-0.524)	0.00686
TT H5	1.175 (0.681-1.571)	0.615	0.963 (0.698-1.232)	0.783	0.239	No reps.	0.332 (0.22-0.414)	0.00494	NO DATA	NO DATA	0.384 (0.294-0.496)	0.000439
TT H6	1.93 (1.548-2.917)	0.00115	1.391 (0.81-2.145)	0.0888	0.509 (0.19-1.624)	0.306	0.934 (0.728-1.63)	0.62	0.706 (0.463-1.258)	0.197	1.701 (1.372-2.042)	0.000249
U A1	1.191 (0.847-1.726)	0.19	1.429 (1.079-2.096)	0.013	2.23 (1.437-4.467)	0.0231	2.397 (1.577-3.289)	0.00276	1.028 (1.004-1.052)	0.449	4.359 (1.629-14)	0.0136
U A4	1.363	No reps.	0.989 (0.576-1.695)	0.958	2.687 (2.421-2.982)	0.0669	2.385 (1.3-4.779)	0.00504	NO DATA	NO DATA	3.472 (2.853-4.343)	0.000859
U B8	1.08 (0.688-1.316)	0.466	1.213 (0.744-1.69)	0.228	1.629 (1.259-2.929)	0.0117	2.149 (1.513-3.229)	0.000705	1.789 (1.295-3.736)	0.025	15.24 (10.64-19.74)	1.35E-05
U C5	1.167 (0.665-1.475)	0.245	1.625 (0.739-2.179)	0.0715	0.896 (0.496-1.457)	0.556	0.656 (0.464-0.844)	0.0122	0.714 (0.29-1.385)	0.192	2.645 (0.722-6.988)	0.0681
U C7	0.89 (0.61-1.397)	0.391	0.856 (0.704-0.984)	0.0608	0.822	No reps.	0.53 (0.334-0.675)	0.00608	2.687	No reps.	0.74 (0.539-0.99)	0.0381
U D5	0.999 (0.804-1.224)	0.983	0.965 (0.798-1.158)	0.582	1.167 (0.991-1.396)	0.0417	1.505 (1.114-1.888)	0.00496	0.746 (0.254-1.521)	0.375	5.915 (4.422-11.24)	5.04E-05
U D9	0.766 (0.562-1.017)	0.0432	0.779 (0.588-0.985)	0.0166	0.977 (0.831-1.069)	0.556	1.123 (0.788-1.656)	0.398	0.783 (0.507-1.231)	0.183	1.63 (1.073-2.922)	0.0312
U E4	1.162 (0.772-1.609)	0.471	1.464 (0.818-2.287)	0.337	1.562 (0.93-2.625)	0.548	1.835 (1.05-3.198)	0.0756	0.01*	No reps.	2.135 (0.81-3.511)	0.11

U E6	1.022 (0.756-1.469)	0.814	1.015 (0.866-1.14)	0.772	0.882 (0.794-0.987)	0.0219	0.958 (0.76-1.424)	0.669	0.875 (0.385-1.324)	0.495	0.416 (0.267-0.699)	0.00969
U F5	1.227 (1.02-1.509)	0.0154	1.451 (1.254-1.687)	0.00376	0.755 (0.385-1.309)	0.224	0.733 (0.532-0.866)	0.00846	0.96 (0.599-1.226)	0.711	0.283 (0.125-0.446)	0.00163
U G1	1.487 (1.072-2.276)	0.0117	1.832 (0.662-3.161)	0.0776	2.095 (1.263-4.072)	0.0149	2.243 (1.125-6.79)	0.0214	1.86 (0.908-4.449)	0.0951	6.671 (3.862-10.81)	0.000646
U G11	1.02 (0.38-1.873)	0.934	2.267 (1.553-2.969)	0.00474	1.403 (0.774-2.531)	0.204	1.037 (0.687-1.346)	0.782	1.185 (0.861-1.687)	0.209	2.218 (1.595-2.79)	0.00022
U G7	0.98 (0.608-1.25)	0.858	1.311 (1.04-1.854)	0.0555	1.913	No reps.	1.896 (1.626-2.03)	0.00116	1.553	No reps.	3.312 (2.437-4.707)	0.00497
U H1	1.213 (0.871-1.504)	0.0683	0.756 (0.579-1.162)	0.0936	0.864 (0.154-2.503)	0.758	1.766 (0.987-3.002)	0.0306	1.419 (0.772-3.541)	0.329	13.78 (6.668-41.5)	0.000375
U H2	0.943 (0.813-1.172)	0.338	0.908 (0.728-1.01)	0.0983	0.983 (0.756-1.16)	0.814	0.845 (0.645-1.113)	0.15	0.943 (0.696-1.194)	0.57	0.338 (0.164-0.575)	0.0164
U H3	0.959 (0.569-1.809)	0.804	0.934 (0.789-1.456)	0.586	1.087 (0.629-1.463)	0.603	1.63 (1.532-1.76)	0.000101	0.867 (0.617-1.611)	0.549	4.033 (1.075-11.41)	0.009
U H5	1.016 (0.642-1.356)	0.929	0.892 (0.5-1.335)	0.57	0.348 (0.126-1.129)	0.24	0.334 (0.266-0.408)	8.35E-06	NO DATA	NO DATA	0.425 (0.369-0.494)	5.80E-06
UU A11	1.17 (0.726-1.784)	0.308	1.094 (0.834-1.376)	0.324	1.145 (0.92-1.505)	0.195	1.522 (1.289-2.12)	0.00285	0.949 (0.782-1.309)	0.589	9.46 (4.65-21.5)	0.00157
UU A4	1.072 (0.938-1.382)	0.295	0.848 (0.705-0.905)	0.00762	1.073 (0.857-1.551)	0.447	1.361 (1.008-1.78)	0.0292	1.071 (0.904-1.539)	0.445	9.563 (2.102-39.5)	0.0111
UU A9	1.459 (1.179-1.962)	0.00696	1.096 (0.516-2.834)	0.776	2.74 (1.396-6.27)	0.0483	1.399 (1.024-2.916)	0.266	0.394 (0.341-0.459)	0.0014	3.465 (2.378-5.484)	0.000153
UU B5	1.116 (0.777-1.455)	0.275	1.144 (0.977-1.412)	0.0763	1.184 (0.834-2.314)	0.311	1.434 (0.848-2.151)	0.0409	1.15 (0.655-1.715)	0.422	2.593 (1.928-3.912)	0.000165
UU B6	1.08 (0.89-1.32)	0.275	0.933 (0.655-1.467)	0.653	1.287 (1.033-1.657)	0.0179	1.498 (1.043-2.214)	0.0309	0.78 (0.534-1.001)	0.176	3.679 (2.829-5.472)	0.000275
UU B7	1.222 (1.028-1.538)	0.236	0.917 (0.815-1.188)	0.188	0.779 (0.388-1.454)	0.494	0.983 (0.616-1.387)	0.895	NO DATA	NO DATA	0.414 (0.391-0.441)	2.81E-06
UU B9	0.958 (0.784-1.242)	0.529	0.714 (0.565-0.951)	0.0257	1.696 (1.195-3.059)	0.0285	1.242 (0.853-1.588)	0.106	0.734 (0.338-1.158)	0.187	2.516 (1.758-3.187)	0.000803
UU C10	0.697 (0.4-1.272)	0.159	1.526 (0.0863-4.27)	0.373	2.993 (1.892-4.84)	0.0562	1.066 (0.687-1.913)	0.654	0.01*	No reps.	1.458 (1.005-1.814)	0.065
UU C12	0.918 (0.745-1.03)	0.15	0.691 (0.64-0.765)	0.000427	1.194 (0.957-1.589)	0.117	1.274 (0.946-1.88)	0.084	0.814 (0.635-0.936)	0.0308	15.94 (2.786-188)	0.0462
UU C9	2.009 (1.5-3.221)	0.00973	0.64 (0.283-1.124)	0.26	0.896 (0.824-0.957)	0.128	0.65 (0.503-1.032)	0.0292	1.136 (1.071-1.206)	0.277	0.534 (0.351-0.784)	0.00599
UU D3	0.492	No reps.	0.719 (0.631-0.935)	0.0348	1.265 (0.889-1.798)	0.625	1.146 (0.574-1.847)	0.493	0.01*	No reps.	0.657 (0.507-0.937)	0.0513
UU D5	2.103 (1.736-3.174)	0.0134	0.786 (0.5-1.095)	0.159	0.52 (0.394-0.786)	0.0898	0.571 (0.425-0.79)	0.00138	NO DATA	NO DATA	0.425 (0.229-0.568)	0.00156
UU D6	0.529 (0.349-0.769)	0.0152	0.365 (0.244-0.65)	0.0765	1.439 (1.074-1.927)	0.431	1.107 (0.638-1.295)	0.399	NO DATA	NO DATA	0.516 (0.269-0.926)	0.025
UU E1	0.981 (0.597-1.669)	0.903	1.087 (0.863-1.517)	0.457	1.275 (0.849-2.027)	0.438	1.925 (1.454-2.354)	0.00354	0.945 (0.606-1.156)	0.734	1.853 (1.497-2.232)	0.000188
UU E12	0.95 (0.401-1.277)	0.781	2.097 (2.031-2.23)	8.79E-08	1.439 (0.523-3.287)	0.222	1.5 (1.161-1.661)	0.00364	1.411 (0.956-1.727)	0.0129	4.527 (2.006-9.763)	0.00113
UU E2	1.47 (1.303-1.615)	0.00517	1.602 (1.042-3.668)	0.193	0.759 (0.473-1.286)	0.271	0.656 (0.502-0.85)	0.00204	1.39 (0.749-2.513)	0.197	0.485 (0.407-0.573)	0.00217

UU E6	1.649 (1.257-2.271)	0.00738	1.286 (0.719-2.688)	0.33	0.788	No reps.	0.854 (0.462-1.871)	0.454	NO DATA	NO DATA	0.478 (0.312-0.647)	0.00101
UU F2	0.777 (0.565-1.121)	0.1	0.657 (0.335-1.116)	0.139	1.493 (0.815-2.592)	0.0588	1.409 (1.03-1.795)	0.0104	1.388 (1.255-1.535)	0.19	4.789 (2.587-7.083)	0.000138
UU F7	0.92 (0.795-1.127)	0.354	0.728 (0.41-1.399)	0.155	1.322 (1.208-1.447)	0.199	1.58 (1.063-2.177)	0.0116	NO DATA	NO DATA	1.57 (1.285-2.24)	0.0106
UU F9	1.141 (0.904-1.542)	0.219	0.928 (0.746-1.088)	0.334	1.003 (0.844-1.309)	0.972	1.155 (0.927-1.599)	0.217	0.955 (0.661-1.459)	0.765	6.146 (1.679-30.45)	0.0355
UU G1	0.501 (0.339-0.722)	0.00614	0.366 (0.144-0.67)	0.00869	1.001 (0.193-5.325)	0.998	1.421 (0.763-2.281)	0.127	1.248 (0.647-1.867)	0.573	2.993 (1.76-4.345)	0.000561
UU G8	0.82 (0.54-1.083)	0.169	0.914 (0.775-1.167)	0.169	1.459 (0.539-1.881)	0.323	1.231 (1.002-1.496)	0.032	3.541	No reps.	1.515 (0.851-2.083)	0.0294
UU H10	1.288 (1.154-1.475)	0.0722	1.15 (0.857-1.542)	0.169	1.643 (1.167-1.99)	0.102	2.005 (1.263-3.273)	0.00491	NO DATA	NO DATA	4.333 (2.99-7.884)	0.0399
UU H5	1.072 (0.996-1.27)	0.134	1.544 (0.893-2.086)	0.0179	0.87 (0.397-1.27)	0.52	0.692 (0.363-0.938)	0.0527	0.628 (0.423-0.891)	0.00916	2.313 (1.244-5.98)	0.0343
UU H9	1.142 (0.876-1.505)	0.137	1.291 (0.936-1.459)	0.0125	2.683 (1.385-5.627)	0.00515	2.795 (1.922-4.23)	0.000325	1.725 (1.045-2.547)	0.0678	6.792 (5.213-9.494)	3.82E-05
V B1	NO DATA	NO DATA	NO DATA	NO DATA	10	No reps.	4.643 (4.64-4.646)	0.000299	NO DATA	NO DATA	NO DATA	NO DATA
V D3	1.723 (1.318-2.367)	0.0057	2.777 (1.426-4.968)	0.00197	2.242 (1.368-3.994)	0.00646	2.207 (1.318-5.165)	0.0264	0.886 (0.463-1.394)	0.641	9.704 (4.881-16.87)	0.000616
V E8	1.081 (0.818-1.374)	0.411	1.009 (0.712-1.215)	0.92	0.962 (0.809-1.178)	0.478	1.451 (1.049-2.33)	0.039	1.256 (0.699-2.498)	0.299	9.569 (1.667-63.42)	0.0156
W A2	0.805 (0.431-1.142)	0.258	0.325 (0.3-0.352)	0.0449	5.485 (4.629-6.5)	0.0633	2.499	No reps.	NO DATA	NO DATA	5	No reps.
W B10	0.871 (0.733-1.027)	0.0402	0.816 (0.681-0.9)	0.0057	1.157 (0.845-1.857)	0.265	1.307 (1.065-1.616)	0.02	0.852 (0.613-1.108)	0.174	19.58 (6.831-80.66)	0.0011
W B7	1.007 (0.679-1.433)	0.951	0.91 (0.631-1.362)	0.436	1.575 (1.102-2.383)	0.0226	2.045 (1.347-3.593)	0.00476	0.883 (0.617-1.429)	0.327	19.58 (8.927-62.5)	0.000196
W B9	0.809 (0.533-1.264)	0.356	1.149 (0.845-1.516)	0.401	0.39 (0.222-0.68)	0.0311	0.527 (0.423-0.842)	0.00692	1.026 (0.869-1.235)	0.734	0.521 (0.348-0.798)	0.0041
W C10	0.78 (0.616-0.948)	0.03	0.81 (0.699-0.926)	0.0191	0.887 (0.817-1.004)	0.0259	0.788 (0.666-0.878)	0.00258	0.744 (0.477-0.965)	0.0406	0.313 (0.207-0.739)	0.00749
W C3	1.032 (0.425-1.57)	0.882	1.234 (0.666-2.026)	0.259	0.583 (0.273-0.846)	0.133	0.304 (0.0957-0.67)	0.0428	1.26	No reps.	0.124 (0.0565-0.286)	0.00214
W C6	1.046 (0.751-1.23)	0.585	1.293 (0.739-3.088)	0.372	1.877 (1.786-1.973)	0.0504	8.664 (3.796-25)	0.0078	3.395 (2.833-4.094)	0.00748	6.598 (2.148-20)	0.057
W D1	1.291 (0.902-1.647)	0.172	0.857 (0.437-1.782)	0.74	0.276 (0.0672-1.2)	0.142	0.35 (0.227-0.414)	0.00551	NO DATA	NO DATA	0.123 (0.0865-0.223)	0.000239
W D12	1.381 (0.551-2.76)	0.284	0.069 (0.0119-0.191)	0.00258	0.0722 (0.0149-0.134)	0.00326	0.175 (0.0887-0.336)	0.00154	0.0869 (0.01-0.211)	0.0437	0.568 (0.243-0.94)	0.316
W E11	1.601 (1.272-2.154)	0.00374	4.195 (2.035-11.62)	0.0106	1.518 (0.748-4.114)	0.217	1.335 (0.441-2.673)	0.299	9.477 (1.965-38.5)	0.0093	0.554 (0.252-0.922)	0.0551
W E3	1.134 (0.538-1.523)	0.454	1.47 (1.133-2.039)	0.0676	0.444 (0.251-0.891)	0.0295	0.322 (0.222-0.483)	0.00014	2.809	No reps.	0.147 (0.103-0.195)	7.23E-05
W E5	0.743 (0.467-1.392)	0.125	0.645 (0.351-0.801)	0.0179	0.469 (0.207-1.244)	0.0672	0.593 (0.367-0.771)	0.00516	0.679 (0.476-0.968)	0.472	0.239 (0.193-0.347)	0.000164
W F1	1.147 (1.003-1.407)	0.106	1.162 (0.804-1.94)	0.36	0.76 (0.479-1.542)	0.253	0.34 (0.254-0.377)	1.01E-05	1.99 (1.575-2.471)	0.000267	0.0383 (0.0114-0.101)	0.000258

W F3	0.811 (0.5-0.927)	0.159	1.099 (0.788-1.565)	0.488	1 (0.669-1.393)	0.999	1.585 (1.216-2.496)	0.0162	1.114 (0.688-1.717)	0.578	11.66 (6.84-33.65)	0.000142
W G10	0.804 (0.625-0.987)	0.0447	0.742 (0.451-1.004)	0.205	1.674 (0.988-2.443)	0.0117	2.302 (1.315-3.738)	0.00193	0.469 (0.378-0.581)	0.176	5.462 (2.004-14.53)	0.00138
W G11	0.888 (0.646-1.077)	0.277	1.26 (1.028-1.826)	0.168	0.475 (0.286-0.705)	0.108	0.361 (0.205-0.548)	0.0027	1.334 (1.105-1.61)	0.369	0.285 (0.211-0.625)	0.0802
W G7	1.744 (0.98-2.881)	0.13	1.181 (0.916-2.381)	0.529	0.238 (0.1-0.589)	0.0437	0.22 (0.0831-0.315)	0.00389	NO DATA	NO DATA	0.145 (0.0774-0.279)	0.00087
W H5	2.588 (1.705-4)	0.0144	2.758 (1.689-4.607)	0.0161	0.01*	No reps.	0.791 (0.378-4.23)	0.537	NO DATA	NO DATA	0.986 (0.475-1.756)	0.95
W H8	3.523 (2.879-4.312)	0.101	1.22 (1-1.487)	0.5	0.659 (0.382-1.746)	0.483	0.407 (0.364-0.474)	0.000757	NO DATA	NO DATA	0.361 (0.27-0.467)	0.00109
WW A5	0.713 (0.406-1.239)	0.192	0.595 (0.435-1.295)	0.0249	1.275 (0.728-1.734)	0.304	1.959 (1.409-2.477)	0.00198	0.777 (0.756-0.798)	0.0681	1.556 (1.066-2.445)	0.21
WW A6	0.879 (0.735-1.019)	0.0345	0.873 (0.516-1.306)	0.378	1.233 (0.964-1.815)	0.169	1.649 (1.232-2.031)	0.00307	0.984 (0.01-1.546)	0.966	14.84 (7.643-58.12)	0.000674
WW F7	1.649 (1.428-1.924)	0.000143	1.203 (0.933-1.565)	0.0792	2.271 (2.097-2.468)	0.00326	1.788 (1.208-2.269)	0.0989	0.798 (0.377-1.386)	0.379	3.343 (2.403-4.119)	3.42E-05
WW G9	0.958 (0.694-1.378)	0.69	0.969 (0.622-1.456)	0.861	1.697 (1.234-3.462)	0.0179	2.209 (1.11-3.399)	0.0037	0.919 (0.547-1.393)	0.601	9.797 (4.025-38.57)	0.00426
WW H11	2.072 (1.246-3.211)	0.00643	1.728 (0.706-4.741)	0.26	0.01*	No reps.	1.141 (0.834-1.378)	0.311	NO DATA	NO DATA	1.127 (0.892-1.709)	0.359
WW H2	1.244 (0.703-4.443)	0.546	1.062 (0.794-1.672)	0.659	NO DATA	NO DATA	1.856 (1.324-2.225)	0.0147	0.986 (0.843-1.277)	0.921	4.964 (3.31-8.34)	0.0278
X A4	1.521 (0.805-2.264)	0.0719	0.8 (0.37-1.161)	0.348	0.318 (0.138-0.784)	0.0595	0.381 (0.166-0.873)	0.00962	0.944	No reps.	0.21 (0.153-0.331)	0.000254
X A6	1.044 (0.598-2.442)	0.856	1.459 (0.891-2.313)	0.0592	2.003 (1.756-2.574)	5.40E-05	2.796 (1.95-3.828)	0.00504	0.916	No reps.	3.095 (1.732-5.275)	0.016
X B12	0.884 (0.702-1.235)	0.237	1.003 (0.785-1.478)	0.979	2.447 (1.9-3.369)	0.0337	2.288 (1.597-3.948)	0.0015	0.787 (0.561-1.713)	0.425	10.55 (5.869-20)	0.022
X B3	1.155 (0.767-1.559)	0.205	0.908 (0.762-0.986)	0.0543	1.049 (0.743-1.643)	0.7	1.219 (0.927-1.819)	0.17	0.897 (0.682-1.026)	0.132	25.07 (3.497-240.5)	0.00795
X C1	1.141 (0.818-1.424)	0.254	1.232 (0.855-1.693)	0.0772	1.787 (1.223-3.032)	0.0228	1.328 (1.126-1.428)	0.0147	1.947 (1.199-3)	0.129	5.109 (2.486-12.49)	0.00973
X C2	1.086 (0.927-1.204)	0.148	0.893 (0.736-0.994)	0.0525	1.184 (0.706-1.596)	0.194	1.517 (0.953-2.809)	0.168	0.58 (0.299-0.938)	0.122	17.24 (8.075-60.5)	0.000688
X D4	1.415 (1.085-1.732)	0.00888	1.413 (1.234-1.574)	0.000499	1.249 (0.517-2.043)	0.437	1.719 (1.257-2.38)	0.00565	1.035 (0.507-1.64)	0.903	7.981 (4.015-16.53)	0.000331
X E11	1.881	No reps.	1.281 (0.635-1.888)	0.38	0.096	No reps.	0.547 (0.313-0.781)	0.0406	NO DATA	NO DATA	0.411 (0.256-0.517)	0.00205
X E2	1.308 (1.025-1.752)	0.0177	1.219 (0.93-1.621)	0.168	1.215 (0.774-1.947)	0.219	1.783 (1.201-2.454)	0.0064	0.978 (0.615-1.306)	0.871	36.04 (20.46-104)	0.0212
X E3	1.497 (1.456-1.571)	0.000161	1.319 (1.292-1.347)	0.0479	5.691	No reps.	1.626 (1.624-1.629)	0.00199	NO DATA	NO DATA	NO DATA	NO DATA
X F12	0.847 (0.559-1.027)	0.144	0.882 (0.663-1.364)	0.298	1.431 (0.865-3.04)	0.151	1.554 (1.217-2.107)	0.00171	0.723 (0.396-1.235)	0.092	8.198 (6.103-17.55)	0.000407
X F4	0.868 (0.01-1.808)	0.737	1.016 (0.703-1.405)	0.897	1.036 (0.86-1.223)	0.516	1.021 (0.794-1.143)	0.738	0.66 (0.455-1.072)	0.0406	1.857 (0.924-3.324)	0.0314
X G1	0.979 (0.683-1.364)	0.825	0.83 (0.708-0.976)	0.0166	0.973 (0.827-1.375)	0.744	1.166 (0.839-1.68)	0.362	0.776 (0.581-1.121)	0.0684	11.05 (2.311-129.2)	0.0148

X G11	0.763 (0.604-0.959)	0.0114	0.436 (0.311-0.888)	0.0156	1.273 (0.878-1.693)	0.226	1.813 (1.34-3.048)	0.016	NO DATA	NO DATA	1.655 (1.203-2.133)	0.00375
X G2	1.251 (0.82-2.154)	0.205	1.203 (0.845-1.751)	0.173	1.24 (0.393-2.058)	0.414	2.129 (1.666-3.42)	0.0046	0.938 (0.515-1.352)	0.715	3.596 (2.411-6.294)	0.000229
X G4	1.307 (0.79-1.819)	0.0845	2.472 (1.704-3.373)	0.000705	1.434 (0.962-2.726)	0.0769	1.783 (1.462-2.198)	0.00041	0.602 (0.428-1.027)	0.0822	3.863 (2.825-5.044)	1.55E-05
X G6	0.84 (0.631-1.386)	0.362	1.202 (0.869-1.5)	0.0704	1.806 (1.372-3.072)	0.00402	1.93 (1.611-2.153)	0.0186	0.835 (0.596-1.663)	0.496	18.82 (7.749-50)	0.000167
X G7	0.791 (0.43-1.088)	0.23	0.942 (0.789-1.078)	0.25	0.944 (0.874-1.158)	0.332	1.084 (0.885-1.293)	0.292	0.925 (0.537-1.553)	0.642	3.578 (1.201-25.58)	0.0732
X G8	1.37 (1.021-1.609)	0.0579	1.014 (0.64-1.298)	0.912	1.556 (0.175-2.659)	0.355	1.892 (0.905-2.636)	0.0282	1.082 (0.694-1.796)	0.747	4.558 (2.777-10.99)	0.00301
X G9	1.562 (1.092-1.951)	0.00285	0.604 (0.407-0.957)	0.0195	1.077 (0.48-2.032)	0.767	3.014 (0.466-11.62)	0.227	1.347 (0.706-1.983)	0.173	5.713 (2.994-12.48)	0.00229
X H4	0.835 (0.543-1.104)	0.24	0.759 (0.462-1.64)	0.3	1.318 (0.7-3.881)	0.412	3.003 (1.761-5.703)	0.00254	1.223 (1.038-1.441)	0.435	6.101 (3.112-21.5)	0.00119
X H7	1.108 (0.966-1.407)	0.146	1.002 (0.896-1.124)	0.97	0.889 (0.698-1.049)	0.177	1.055 (0.833-1.712)	0.672	1.015 (0.573-2.172)	0.945	6.474 (2.047-24.39)	0.00524
X H8	1.174 (0.843-1.963)	0.394	0.948 (0.848-1.08)	0.246	1.079 (0.756-1.433)	0.525	1.156 (0.886-1.75)	0.244	0.886 (0.656-1.212)	0.431	10.01 (6.719-20.09)	7.45E-05
X H9	0.852 (0.389-1.716)	0.494	1.021 (0.615-1.333)	0.856	1.38 (0.924-2.504)	0.0859	1.459 (0.895-2.146)	0.0271	1.053 (0.679-2.547)	0.873	3.027 (1.987-4.193)	0.00123
XX A10	0.813 (0.403-1.801)	0.503	0.804 (0.567-1.062)	0.119	2.12 (1.04-3.107)	0.0596	1.875 (0.671-2.592)	0.0712	1.327 (1.116-1.612)	0.033	4.708 (2.416-8.35)	0.00901
XX B11	1.79 (1.373-2.334)	0.272	NO DATA	NO DATA	2.288 (2.095-2.5)	0.0677	0.557 (0.516-0.601)	0.0826	NO DATA	NO DATA	0.502 (0.45-0.564)	0.0089
XX C12	0.841 (0.681-0.964)	0.0564	0.701 (0.632-0.757)	0.000138	0.937 (0.839-1.069)	0.153	0.983 (0.854-1.194)	0.751	0.685 (0.461-0.947)	0.0154	4.385 (2.072-7.7)	0.000578
XX D1	0.919 (0.677-1.145)	0.32	0.805 (0.687-0.922)	0.00552	1.009 (0.857-1.308)	0.883	1.178 (0.789-1.658)	0.296	0.786 (0.364-1.288)	0.26	7.23 (2.266-83.87)	0.0263
XX D10	0.922 (0.704-1.067)	0.288	1.007 (0.713-1.499)	0.954	1.331 (0.777-2.349)	0.159	1.657 (0.938-4.073)	0.158	0.875 (0.764-1.23)	0.22	27.84 (13.03-112)	0.000345
XX E12	2.994	No reps.	0.458 (0.368-0.569)	0.173	4.382	No reps.	4.349 (3.707-5.102)	0.0689	NO DATA	NO DATA	0.836 (0.718-1)	0.204
XX E3	1.46 (1.024-1.742)	0.00637	1.431 (0.982-1.882)	0.0212	2.095 (1.228-3.091)	0.00243	2.514 (2.03-2.953)	0.000152	1.849 (0.958-3.635)	0.139	4.587 (1.866-8.068)	0.00105
XX E5	1.688 (1-3.551)	0.304	NO DATA	NO DATA	0.01*	No reps.	1.123 (0.968-1.303)	0.578	0.681	No reps.	1.176 (0.929-2)	0.43
XX G1	0.955 (0.596-1.655)	0.796	0.965 (0.514-1.24)	0.811	1.803 (1.284-2.243)	0.018	1.642 (1.051-2.278)	0.00576	1.656	No reps.	2.509 (1.953-3.059)	0.000101
XX G4	0.942 (0.558-1.292)	0.703	1.369 (0.998-1.918)	0.0666	2.817 (2.575-3.168)	0.0035	2.93 (1.833-4.864)	0.00235	1.068 (0.98-1.165)	0.585	5.535 (2.665-8.229)	0.0428
XX H10	0.979 (0.573-1.356)	0.884	1.042 (0.641-1.643)	0.816	1.45 (0.906-2.296)	0.071	2.382 (1.076-5.65)	0.0297	0.961 (0.669-1.288)	0.814	15.4 (7.114-46.43)	0.00124
XX H12	1.102 (0.977-1.241)	0.0667	1.166 (0.873-1.568)	0.178	1.089 (0.79-1.647)	0.571	1.642 (0.847-3.082)	0.0814	0.775 (0.391-1.12)	0.232	30.2 (14.54-118.5)	0.000446
YY A12	0.965 (0.717-1.066)	0.596	1.006 (0.678-1.424)	0.961	1.062 (0.679-1.422)	0.608	1.611 (1.244-2.726)	0.0129	0.917 (0.532-1.74)	0.669	10.6 (6.597-24.8)	0.000162
YY A4	3.195	No reps.	NO DATA	NO DATA	0.01*	No reps.	0.41 (0.262-0.848)	0.0137	NO DATA	NO DATA	0.646 (0.322-1.184)	0.137

YY B6	0.964 (0.555-1.253)	0.783	1.008 (0.611-1.565)	0.963	2.139 (1.634-2.967)	0.00171	1.846 (1.112-4.23)	0.0549	0.814 (0.733-0.971)	0.146	5.861 (3.535-18.66)	0.000834
YY C4	0.798 (0.599-1.118)	0.0472	0.787 (0.688-0.911)	0.00254	0.872 (0.234-1.697)	0.684	1.114 (0.841-1.778)	0.386	1.044 (0.51-1.963)	0.83	3.724 (1.744-11.08)	0.00511
YY C6	1.379 (0.92-1.924)	0.0234	1.006 (0.163-1.743)	0.988	2.288 (1.028-4.677)	0.0294	3.162 (1.564-19)	0.0329	1.072 (0.757-1.565)	0.772	8.653 (4.557-20.5)	0.00999
YY F4	0.822 (0.358-1.278)	0.424	0.461 (0.407-0.522)	0.101	1.807 (1.671-1.893)	0.000261	1.272 (1.105-1.572)	0.0205	NO DATA	NO DATA	1.635 (0.971-2.887)	0.0609
YY G8	2.454 (2.409-2.5)	0.0132	NO DATA	NO DATA	NO DATA	NO DATA	1.09 (1-1.27)	0.377	NO DATA	NO DATA	0.855 (0.628-1.196)	0.226
YY H11	2.526	No reps.	NO DATA	NO DATA	0.01*	No reps.	0.798 (0.643-1.042)	0.252	NO DATA	NO DATA	0.649 (0.421-1.136)	0.278
Z B11	1.355 (1.055-1.809)	0.193	0.01*	No reps.	NO DATA	NO DATA	1.006 (0.983-1.03)	0.834	NO DATA	NO DATA	1.575 (0.951-2.61)	0.534
Z D3	0.877 (0.625-1.184)	0.294	1.016 (0.658-1.329)	0.893	1.226 (1-1.533)	0.0184	1.485 (1.168-2.034)	0.0151	0.812 (0.456-1.554)	0.348	22.12 (9.764-72.5)	0.000343
Z E5	1.533 (0.816-2.284)	0.0768	3.492 (2.953-4.129)	0.0848	2.549 (2.185-3.376)	0.0219	1.092 (0.285-2.228)	0.841	NO DATA	NO DATA	43.15 (24.5-76)	0.095
Z G1	0.873 (0.623-1.203)	0.356	0.639 (0.343-1.362)	0.111	1.312 (1.074-1.513)	0.0328	0.923 (0.613-1.75)	0.665	0.01*	No reps.	1.151 (0.757-2.253)	0.594
Z G8	1.032 (0.932-1.133)	0.386	0.884 (0.799-0.963)	0.012	2.062 (1.15-3.47)	0.0523	2.634 (1.441-6.056)	0.0209	0.939 (0.476-1.405)	0.727	8.993 (3.522-26.75)	0.0652
ZZ A9	0.883 (0.704-1.037)	0.119	1.214 (1.208-1.221)	0.0185	0.661	No reps.	1.533 (1.294-2.257)	0.0458	NO DATA	NO DATA	2.33 (1.931-4.413)	0.00622
ZZ B8	0.778 (0.426-0.97)	0.104	0.811 (0.765-0.87)	8.59E-05	0.978 (0.862-1.179)	0.646	0.87 (0.755-0.975)	0.0175	0.947 (0.431-1.423)	0.783	0.469 (0.316-0.658)	0.00111
ZZ C3	0.939 (0.737-1.188)	0.422	0.957 (0.727-1.19)	0.579	1.138 (0.849-1.588)	0.209	1.799 (1.261-2.684)	0.0104	0.724 (0.544-0.947)	0.00998	25.81 (12.44-91)	0.000268
ZZ C8	1.192 (0.979-1.518)	0.0568	0.96 (0.627-1.711)	0.789	1.277 (0.121-1.7)	0.568	1.798 (1.267-2.299)	0.000899	1.055 (0.43-1.711)	0.847	4.391 (3.059-6.268)	7.04E-05
ZZ D9	0.823	No reps.	1.233 (0.851-1.635)	0.392	0.602 (0.56-0.646)	0.0891	0.55 (0.3-0.868)	0.0254	5.377	No reps.	0.471 (0.334-0.735)	0.000979
ZZ E12	1.396 (0.654-3.228)	0.185	0.847 (0.518-1.275)	0.452	0.298 (0.0574-1.059)	0.295	0.248 (0.0949-0.65)	0.0216	NO DATA	NO DATA	0.194 (0.133-0.32)	0.000668
ZZ E6	1.709 (1-2.148)	0.0584	1.541 (0.97-3.104)	0.124	0.355 (0.177-0.786)	0.139	0.632 (0.478-0.927)	0.0453	0.01*	No reps.	0.373 (0.167-0.61)	0.0143
ZZ E8	3.608 (3.5-3.72)	0.0151	0.832 (0.509-1.435)	0.473	0.196 (0.0489-0.582)	0.155	0.516 (0.297-0.683)	0.0119	NO DATA	NO DATA	0.197 (0.128-0.288)	0.000269
ZZ F1	1.663 (1-2.298)	0.187	0.799	No reps.	0.0366 (0.01-0.134)	0.238	0.516 (0.352-0.741)	0.00249	NO DATA	NO DATA	0.356 (0.215-0.634)	0.00923
ZZ F10	1.043 (0.79-1.303)	0.557	1.061 (0.833-1.56)	0.563	1.567 (1.201-2.786)	0.0146	2.073 (1.262-3.239)	0.00531	0.778 (0.588-1.089)	0.0746	17.77 (8.606-48)	0.000269
ZZ F7	3.177 (2.533-5.499)	0.00819	1.41 (0.482-2.642)	0.451	0.822 (0.534-1.268)	0.441	0.721 (0.48-1.19)	0.074	0.673	No reps.	0.577 (0.361-0.947)	0.0248
ZZ G12	1.415 (0.949-2.179)	0.0706	2.228 (1.538-3.229)	0.276	0.46 (0.258-0.821)	0.408	0.574 (0.347-0.847)	0.00739	NO DATA	NO DATA	0.656 (0.548-0.788)	0.0565
ZZ G3	2.175 (1.449-3.72)	0.0329	0.618 (0.427-1.202)	0.286	3.374 (3.233-3.521)	0.0223	0.477 (0.295-0.976)	0.00601	NO DATA	NO DATA	0.472 (0.281-0.731)	0.115
ZZ H1	1.918 (1.449-2.495)	0.0537	1.156 (0.863-1.8)	0.321	0.364 (0.312-0.424)	0.0961	0.431 (0.318-0.558)	0.000804	NO DATA	NO DATA	0.557 (0.504-0.69)	0.00395

ZZZ A10	0.889 (0.559-1.131)	0.307	0.983 (0.517-1.366)	0.91	1.241 (1.127-1.334)	0.00895	1.828 (1.053-2.68)	0.0159	0.81 (0.576-1.477)	0.169	7.342 (3.19-21.12)	0.00277
ZZZ A6	1.536 (0.953-4.268)	0.301	0.915 (0.533-1.569)	0.643	0.167 (0.122-0.228)	0.109	0.336 (0.172-0.595)	0.00323	1.748 (0.954-3.203)	0.526	0.306 (0.215-0.431)	0.00072
ZZZ B8	1.871 (1.477-2.5)	0.0119	1.051 (0.892-1.297)	0.608	0.997 (0.618-1.537)	0.987	0.832 (0.53-1.074)	0.198	NO DATA	NO DATA	0.585 (0.452-0.686)	0.0542
ZZZ C11	1.061 (0.861-1.246)	0.503	1.084 (0.521-1.962)	0.784	0.254 (0.0878-0.734)	0.419	0.257 (0.131-0.447)	0.00106	NO DATA	NO DATA	0.211 (0.135-0.345)	0.0659
ZZZ C5	1.29 (0.998-1.61)	0.0124	1.062 (0.873-1.421)	0.41	1.395 (1.152-1.933)	0.00591	1.481 (1.192-1.878)	0.00447	0.911 (0.64-1.38)	0.49	8.143 (3.776-12.59)	0.000521
ZZZ C8	0.997 (0.907-1.059)	0.9	1.095 (1.038-1.156)	0.0141	1.492 (1.196-2.132)	0.00491	1.581 (0.891-2.152)	0.0472	1.111 (0.786-1.503)	0.414	7.978 (3.952-32.49)	0.00117
ZZZ D10	1.533 (1.235-2.575)	0.0913	0.882 (0.735-0.995)	0.309	0.661 (0.555-0.886)	0.107	0.532 (0.346-0.861)	0.00341	2.5	No reps.	0.396 (0.284-0.627)	0.000526
ZZZ D11	1.388 (1.193-1.655)	0.0748	NO DATA	NO DATA	0.416 (0.354-0.48)	0.0101	0.232 (0.163-0.312)	3.93E-05	NO DATA	NO DATA	0.0732 (0.0358-0.135)	0.000725
ZZZ D12	1.189 (0.75-1.99)	0.389	0.979 (0.727-1.359)	0.871	0.408 (0.156-0.61)	0.0224	0.352 (0.233-0.605)	0.000609	0.389 (0.241-0.627)	0.298	0.204 (0.0862-0.428)	0.00112
ZZZ D4	0.976 (0.578-1.311)	0.892	0.941 (0.643-1.694)	0.768	0.277 (0.168-0.404)	0.00817	0.298 (0.24-0.381)	0.000118	NO DATA	NO DATA	0.12 (0.0522-0.21)	0.00161
ZZZ D8	4.312	No reps.	1.411 (0.915-1.897)	0.26	0.405 (0.343-0.478)	0.115	0.715 (0.465-1.397)	0.143	NO DATA	NO DATA	0.523 (0.365-0.933)	0.00551
ZZZ E6	1.769 (1.029-2.665)	0.0233	2.002 (1.12-4.805)	0.0447	1.169 (0.589-1.829)	0.697	0.521 (0.195-0.748)	0.0287	1.768 (1.574-2.097)	0.0225	0.728 (0.405-2.64)	0.303
ZZZ F11	1.685 (0.923-2.982)	0.264	1.539 (1.141-2.486)	0.0892	0.314 (0.133-1.002)	0.194	0.312 (0.104-0.505)	0.0143	1.387 (1.377-1.397)	0.0141	0.27 (0.176-0.419)	0.0348
ZZZ F2	1.62 (0.712-2.886)	0.0523	1.178 (0.81-2.79)	0.5	0.67 (0.324-1.18)	0.175	0.404 (0.289-0.479)	8.68E-05	1.086 (0.475-2.485)	0.936	0.363 (0.237-0.596)	0.000653
ZZZ F6	1.737 (1.432-2.499)	0.0938	1.04 (0.969-1.153)	0.532	0.426 (0.399-0.455)	0.0488	0.391 (0.256-0.494)	0.00041	NO DATA	NO DATA	0.403 (0.25-0.469)	0.00161
ZZZ F9	0.822 (0.441-1.066)	0.226	0.858 (0.624-1.226)	0.334	1.446 (0.987-2.312)	0.039	1.96 (1.475-2.761)	0.00272	0.911 (0.705-1.011)	0.157	17.48 (10.47-54.06)	0.000105
ZZZ G11	0.99 (0.594-1.721)	0.955	1.527 (0.756-2.533)	0.0574	0.306	No reps.	0.363 (0.152-0.662)	0.0094	0.922	No reps.	0.463 (0.306-1.024)	0.00965
ZZZ H10	1.428 (1.136-1.842)	0.0268	0.998 (0.609-1.415)	0.989	1.105 (0.783-2.26)	0.707	0.746 (0.561-1.334)	0.0723	2.039 (1.658-2.508)	0.18	0.614 (0.433-0.725)	0.00158
ZZZ H3	0.658 (0.486-1.004)	0.00846	0.524 (0.288-1.081)	0.0438	0.928 (0.639-1.436)	0.529	0.893 (0.756-1.073)	0.0796	0.01*	No reps.	1.125 (0.649-1.967)	0.547
ZZZ H6	1.333 (0.672-2.334)	0.427	1.181 (0.713-2.824)	0.531	0.078 (0.01-0.354)	0.139	0.328 (0.255-0.511)	0.000456	NO DATA	NO DATA	0.225 (0.135-0.28)	0.000336
ZZZ H7	0.619 (0.369-1.071)	0.0376	0.704 (0.362-1.318)	0.123	0.624 (0.358-1.032)	0.0771	0.47 (0.386-0.738)	0.000562	1.404 (1.266-1.52)	0.0246	0.167 (0.142-0.224)	1.54E-06
ZZZ H8	0.957 (0.858-1.186)	0.462	0.95 (0.846-1.026)	0.11	1.102 (0.834-1.575)	0.403	1.208 (0.964-1.711)	0.167	1.073 (0.862-1.419)	0.408	9.75 (3.086-141.4)	0.0225

Table S.2 Sequenced clones exhibiting similar methylation profiles in the gametes and blastocysts as determined by Self Organizing Map analysis. Blast analysis identified 21.1% (22/104) of the clones as having similarity to multiple regions, 38.5% (40/104) of the clones as having no similarity to existing sequenced, and 40.4% (42/104) of the clones as having similarity to sequenced clones as similar to identified or predicted genes. The capital letters (A,B,C,D,E & F) refer to the clustering pattern in Figure 1 of the main text.

Clone	Score	Annotation	Gene	Subject Alignment	Subject CDS	Access #
A						
G A10	396	Human DNA sequence from clone RP11-697G4 on chromosome 6, 5' end of the FOXO3A gene	FOXO3A	9040-8678		AL391646
NN H8		NS				
RR C8	206	PREDICTED: Bos taurus similar to myeloid leukemia factor 1,mRNA.	MLF1	156-1	110..988	XM_874504
S A11	163	Human DNA sequence from clone RP11-50D16 on chromosome 13		91602-91499		AL445590
W D5	58	PREDICTED: Pan troglodytes similar to frizzled 2 (LOC459881), mRNA	hugo not found	1103-1135	1..3168	XM_516034
W H6	274	Homo sapiens T-box, brain, 1 (TBR1), mRNA	TBR1	1269-1426	303..2351	NM_006593
B						
A C6		Multiple				
AA A11		Sus scrofa CC chemokine receptor genes (CCR9)	CCBP2			
E A10		Multiple				
G F5		Multiple immune etc, (STRONG)				

II B3	293	Homo sapiens chromosome 5 clone CTD-2012M11, complete sequence		46258-46593		AC016595.
K D3	262	Homo sapiens BAC clone RP11-73G16 from 4, complete sequence		139461-139222		AC097375.
N G6		NS				
QQ A1		NS				
QQ E4	149	PREDICTED: Bos taurus similar to peptidyl prolyl isomerase H	PPIH	55-165	-58 to+53	XM_873469
T F3	188	Human GLA gene for alpha-D-galactosidase A (EC 3.2.1.22).	GLA	90194-90043		X14448.
U B12		NS				
X G10		NS				
C						
AA A1		NS				
B G2		NS				
BBB A12	301	Sus scrofa glutamate decarboxylase 2 (GAD2), mRNA	GAD2	152-1	262…2019	NM_213895
BBB H7		Multiple				
CCC H12	113	Multiple				
D C10		NS				
D D10		NS				
D D6		Multiple				
EEE B7		Multiple				
EEE B9		Multiple				
EEE E3		only Bac matches				
F E10		Multiple				
F F10	NS					
FF G1		only Bac matches				
G G10	188	PREDICTED: Canis familiaris similar to DEAD (Asp-Glu-Ala-Asp) box	DDX10	86-264	86…2701	XM_536583

					exon5 3340..3482, intron5 3483-3706	
GGG D4	226	WNT8B gene	WNT8B	3334-3515		Y11108.
II H10		Multiple				
III D1		Multiple				
JJ B10	910	Bos taurus similar to Homeobox protein SIX6 (Sine oculis homeobox homolog 6)	SIX6	1203-575	1..1380	XM_589185
JJ D12	129	H.sapiens CpG island DNA gen				
JJ E10		NS				
K G10	157	Human cyclic AMP transcriptional regulator binding protein (CRE-BP1)	ATF2	875-689		J05623
LL E4	NS					
NN G9	NS					
D12		Multiple				
P F6	180	Bos taurus similar to protoporphyrinogen oxidase, Last enzyme of heme synth	PPOX	189-478	389..1555	XM_593850
P H5	200	PREDICTED: Bos taurus similar to zinc finger, CSL domain containing	ZCSL2	56-220	112...285	XM_874300
QQ A6		Multiple				
RR G5	597	H. sapiens genes for histones H2B.1 and H2A	HIST2H2BE	25-504	25..405	BC069193.
UU C10		NS				
UU H3		NS				
X F12		Homo sapiens prostate antigen PARIS-1 mRNA, complete cds	TBC1D2			
X G2		NS				
XX H10		NS				

XX H12	133	Homo sapiens splicing factor 3a, subunit 3, 60kDa (SF3A3), mRNA	SF3A3	118-218	125..1630	NM_006802
Z D3		NS				
D						
BLUE E3		NS				
CC C1		NS				
CCC B6		Multiple				
EE A11		mRNA; CpG island cluster				
EE A12		NS				
EE H2		Multiple				
EE H8	159	Homo sapiens aryl hydrocarbon receptor nuclear translocator	ARNT			AY430083.
FF E4	260	Multiple immune components				
G B8	123	Canis familiaris similar to Coatomer zeta-1 subunit	COPZ1		69..602	XM_843171
HH A7		Myeloid leukemia Factor 1	MLF1			
L E8		CpG Island plus others				
LL D3	NS					
N E2	553	Homo sapiens serine/threonine protein kinase Kp78 (ribosomal)	MARK3	512-226	1504..3762	AF159295.
NN F4	151	Mus musculus RIKEN cDNA 2810429O05 gene		13-200	626..1522	NM_134046
PINK E2		NS				
PINK E9		NS				
PINK E10		Multiple				
PP C2		NS				
PP D6		NS				
PP E2		Multiple				
PP E4	293	PREDICTED: Bos taurus similar to malignant T cell	MCTS1	619-299	117..662	XM_593366

		amplified sequence 1				
PP E5	145	PREDICTED: Canis familiaris similar to Methyltransferase-like	Not found in Hugo	487-395, 396-190	1..1425	XM_537604
PP E6	180	PREDICTED: Bos taurus similar to Paired box protein Pax-3	PAX3	460-350	1...825	XM_872034
PP G1		NS				
PP H6	109	Homo sapiens FRG1 (FRG1) gene, complete cds (multiple)	FRG1			AF146191.
Q A2	569	Homo sapiens serine/threonine protein kinase Kp78 (ribosomal)	MARK3	+226- 512 in 5' UTR	1504…3762	AF159295.
Q H5	103	PREDICTED: Bos taurus similar to Forkhead box protein J2	FOXJ2	1-96, 221-262, 153-176	1...2844	XM_612715
QQ D3		NS				
T A6		NS				
TT G8	121	790G17 on chromosome 1q21.1-21.3				AL138795.
W E3		NS				
W F1		NS				
E						
B F12	291	nicotinamide mononucleotide adenylyltransferase 2 isoform 1	NMNAT2	418-205	336..1259	NM_015039
EEE D4	299	Homo sapiens cell division cycle 27 (CDC27) gene, complete cds	CDC27	2217-2280	1rst intron, ~37 bases after 1rst exon	AY518321.

F D1	67.9	PREDICTED: Bos taurus similar to Microtubule-associated protein RP/EB family member 2 (APC-binding protein EB2	APC-binding protein EB2	1 .. 38	123..977	XM_587271
III C8	196	Homo sapiens UMPS gene for UMP synthase	UMPS	1595-1453		AY691629.
M C9	69.1	H. sapiens clone RP11-4181C1 on chromosome 10. see comments	MLLT10	57285-57218		AL358780.
M D1	NS					
P D2	NS					
P H3	73.8	Homo sapiens similar to ankyrin-repeat protein Nrarp	Nrarp Not found in Hugo	1346-1414	324..668	BC053618.
PP F12		NS				
S E3	168	Homo sapiens protoporphyrinogen oxidase (PPOX) gene, exons 2, 3,	PPOX	25-161		AY032686.
T G4	167	Homo sapiens RPL18 gene for ribosomal protein L18, complete cds and	RPL18	879-628, 1251-1083		AB061825.
U G4		Multiple ribosomal proteins				
F						
JJ E12		NS				
P G12		NS				
PP D2		NS				
T F1		NS				

Table S.3. Methylation status of B G2, HH A7, WW G4, and X G2 for *in vivo*-produced blastocysts analyzed by using microarray and bisulfite sequencing analysis. A) Shown here is the percent cytosine methylation at all the CpG dinucleotides that were analyzed by using bisulfite sequencing in the liver DNA, sperm DNA, and *in vivo*-produced blastocyst DNA for the regions analyzed by using bisulfite sequencing. B) Bisulfite analysis data and the microarray analysis data are in agreement for 87.5% (7/8) of the samples (shown in bold type). The ratios produced from the microarray and bisulfite analysis were classified as consistent when the bisulfite analysis-produced ratio indicated the sample was hypomethylated (>1) or hypermethylated (<1) and matched the methylation status of the microarray-produced data. From the microarray-produced ratios, the samples were classified as hypermethylated when the ratio was < 0.8 and the sample was classified as hypomethylated when the ratio was >1.2. The ratios produced from bisulfite analysis data and the microarray analysis data are not in agreement for 12.5% (1/8) of the samples (shown in parentheses). The microarray values are LOWESS normalized Cy5/Cy3 ratios representing the methylation status of the specified clones in the liver (Cy5) and *in vivo*-derived blastocyst (Cy3) samples. The Bisulfite ratios (Ref/Sample) were calculated from the equation shown in the Materials and Methods section. This raw data was used to generate Figures 3 & 4 in the text.

A

CPG clone	Bisulfite Analysis		
	Liver	Sperm	In vivo blast.
B G2	0.692	0.024	0.053
HH A7	0.092	0.543	0.313
WW G4	0.341	0.018	0.008
X G2	0.807	0.657	0.667

B

CPG clone	Sperm (Ref/Sample)		In vivo-produced Blast (Ref/Sample)	
	Bisulfite	Microarray	Bisulfite	Microarray
B G2	(3.173)	(0.960)	3.078	21.520
HH A7	0.504	0.619	0.757	0.558
WW G4	1.490	1.506	1.505	5.927
X G2	1.778	1.251	1.728	3.596