

Supplementary Material

Table S1. The results of statistical tests for model-1. The red-shaded cells show inseparability between classes ($p > 0.05$).

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	2.9e-54				
Paired samples T-test		1	2	3	4
	2	0.02	-	-	-
	3	8.2e-19	2.1e-17	-	-
	4	1.8e-21	5.8e-16	0.60	-
	5	2.6e-20	1.2e-16	0.63	0.95
Paired samples T-test (log of data)		1	2	3	4
	2	0.00	-	-	-
	3	7.9e-13	1.2e-16	-	-
	4	1.4e-14	1.8e-14	0.86	-
	5	5.8e-13	7.3e-13	0.80	0.70
Wilcoxon signed-rank test		1	2	3	4
	2	0.08	-	-	-
	3	1.9e-17	1.5e15	-	-
	4	1.8e-18	3.2e-14	0.34	-
	5	1.5e-18	5.3e-15	0.08	0.77

Table S2. The results of statistical test for model-2. The red-shaded colour follows the description from Table 2.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	3.2e-117				
Paired samples T-test		1	2	3	4
	2	9.9e-17	-	-	-
	3	3.9e-16	0.37	-	-
	4	1.1e-45	1.5e-19	5.4e-16	-
	5	8.0e-50	3.8e-24	1.8e-21	0.01
Paired samples T-test (log of data)		1	2	3	4
	2	1.3e-16	-	-	-
	3	1.1e-15	0.46	-	-
	4	2.8e-41	2.2e-18	9.1e-15	-
	5	3.9e-43	6.0e-22	6.1e-19	0.01
Wilcoxon signed-rank test		1	2	3	4
	2	2.8e-12	-	-	-
	3	9.0e-12	0.55	-	-
	4	2.5e-14	4.2e-13	6.8e-12	-
	5	2.5e-14	3.1e-14	3.5e-14	0.02

Table S3. The results of statistical tests for model-3. The red-shaded colour follows the description from Table 2.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	1.2e-102				
Paired samples T-test		1	2	3	4
	2	0.00	-	-	-
	3	1.7e-46	7.5e-46	-	-
	4	1.2e-44	2.4e-48	0.00	-
	5	6.3e-54	8.5e-55	6.0e-09	0.37
Paired samples T-test (log of data)		1	2	3	4
	2	0.00	-	-	-
	3	3.3e-30	3.4e-40	-	-
	4	1.6e-30	2.9e-41	0.01	-
	5	4.7e-35	6.0e-48	3.5e-08	0.18

Wilcoxon signed-rank test		1	2	3	4
	2	0.00	-	-	-
	3	1.4e-31	2.8e-31	-	-
	4	4.6e-29	2.9e-30	3.5e-06	-
	5	1.2e-32	4.6e-33	4.2e-09	0.99

Table S4. The results of statistical tests for model-1 for fertilization at 25 March 2020.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	3.3e-139				
Paired samples T-test		1	2	3	4
	2	1.4e-38	-	-	-
	3	3.6e-71	9.8e-14	-	-
	4	3.2e-77	1.2e-26	4.0e-07	-
	5	9.2e-94	1.3e-41	1.3e-25	9.4e-10
Paired samples T-test (log of data)		1	2	3	4
	2	3.6e-25	-	-	-
	3	3.0e-43	3.9e-12	-	-
	4	2.1e-46	1.2e-20	2.6e-05	-
	5	7.4e-54	4.4e-31	4.9e-20	2.0e-07
Wilcoxon signed-rank test		1	2	3	4
	2	2.7e-27	-	-	-
	3	1.3e-33	1.6e-12	-	-
	4	5.0e-34	2.6e-24	8.3e-08	-
	5	2.1e-34	2.2e-29	4.8e-24	7.4e-12

Table S5. The results of statistical tests for model-1 for fertilization at 21 April 2020.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	3.9e-183				
Paired samples T-test		1	2	3	4
	2	2.3e-51	-	-	-
	3	1.9e-86	1.1e-19	-	-
	4	1.7e-97	6.0e-31	3.6e-08	-
	5	1.1e-97	1.1e-37	1.3e-11	0.01
Paired samples T-test (log of data)		1	2	3	4
	2	4.8e-35	-	-	-
	3	1.1e-50	1.8e-16	-	-
	4	4.4e-56	8.7e-26	2.5e-07	-
	5	1.2e-57	5.7e-30	2.2e-09	0.02
Wilcoxon signed-rank test		1	2	3	4
	2	1.5e-31	-	-	-
	3	3.9e-34	2.8e-18	-	-
	4	1.4e-34	1.2e-26	1.1e-07	-
	5	1.4e-34	9.6e-29	2.1e-12	0.00

Table S6. The results of statistical tests for model-3 for fertilization at 25 March 2020.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	3.8e-196				
Paired samples T-test		1	2	3	4
	2	1.3e-43	-	-	-
	3	5.9e-96	7.6e-24	-	-
	4	1.9e-100	9.3e-38	1.5e-08	-
	5	1.4e-101	2.5e-46	4.1e-18	4.3e-06
Paired samples T-test (log of data)		1	2	3	4
	2	7.7e-42	-	-	-
	3	3.0e-87	1.6e-21	-	-
	4	1.0e-92	3.6e-34	2.4e-07	-
	5	6.7e-93	1.6e-40	1.4e-14	8.4e-05

Wilcoxon signed-rank test		1	2	3	4
	2	7.5e-30	-	-	-
	3	1.6e-34	8.6e-21	-	-
	4	1.5e-34	2.1e-28	2.8e-09	-
	5	1.7e-34	1.4e-29	2.0e-19	2.0e-08

Table S7. The results of statistical tests for model-3 for fertilization at 21 April 2020. The red-shaded colour follows the description from Table 2.

Test	Result (p-Value/Significance Value)				
Kruskal-Wallis H-Test	1.0e-189				
Paired samples T-test		1	2	3	4
	2	2.2e-39	-	-	-
	3	1.5e-72	5.6e-22	-	-
	4	4.3e-93	2.1e-29	0.78	-
	5	1.2e-83	4.9e-38	1.4e-08	2.8e-13
Paired samples T-test (log of data)		1	2	3	4
	2	1.2e-38	-	-	-
	3	2.2e-69	2.1e-20	-	-
	4	7.2e-80	1.5e-27	0.73	-
	5	2.2e-76	2.2e-33	4.5e-07	7.7e-10
Wilcoxon signed-rank test		1	2	3	4
	2	3.5e-24	-	-	-
	3	2.4e-26	2.5e-17	-	-
	4	2.3e-26	5.1e-22	0.08	-
	5	2.8e-26	3.3e-23	4.8e-11	2.4e-15