Comparing Models of Subject-Clustered Single-Cell Data

Version 6.0-Appendix and Post-Script

Lee Panter

Appendix

Derivation of Applied Variables

Information on Model Rank

Tables

Table A1

CD19 Summaries

Subject Number	Minimum	Maximum	Average	Median
5	0	678	36.6724	0.0
6	0	299	36.6860	7.5
7	0	10	2.1250	1.0
9	0	1052	89.4194	3.0
10	0	158	37.5714	2.0
11	0	339	28.3178	1.0
13	0	629	56.0841	18.0
14	0	251	42.2600	19.0
15	0	148	26.6000	0.0
17	0	982	112.3770	16.0
19	0	665	59.3386	5.0
20	0	287	40.1200	23.0
22	0	380	43.4483	1.0
24	0	282	55.0127	27.0
26	0	1624	268.4151	110.0

Table A1: Predictor $CD19$ variable summaries ($CD19 \sim MALAT1$)

Table A2

MALAT1 Summaries

Subject Number	Minimum	Maximum	Average	Median
5	67	40812	10206.3621	9195.0
6	757	30774	11568.2791	11689.0
7	441	17916	6868	4039.5
9	311	18239	5703.9355	5983.0
10	1875	17160	6638.5714	6190.0
11	349	34082	9716.0280	8826.0
13	99	25572	5867.9439	4895.0
14	355	15740	6154.1500	5720.5
15	157	11923	3839.0800	3467.0
17	337	8342	2960.2541	2692.0
19	227	91961	13959.9843	10125.0
20	379	21736	7301.4133	6417.0
22	161	28429	6881.7471	5068.0
24	240	42792	6248.8228	5955.0
26	1114	32426	8463.1698	6426.0

Table A2: Response $MALAT1$ variable summaries ($CD19 \sim MALAT1$)

Table A3

CD34 Summaries

Subject Number	Minimum	Maximum	Average	Median
5	0	19	3.0517	1
6	0	0	0	0
7	0	0	2	1
9	0	6	0.4516	0
10	0	5	0.6667	0
11	0	7	1.2056	1
13	0	0	0	0
14	0	1	0.4000	0
15	0	0	0	0
17	0	0	0	0
19	0	0	0	0
20	0	2	0.1867	0
22	0	4	0.3563	0
24	0	5	0.2911	0
26	0	0	0	0

Table A3: Predictor $CD34$ variable summaries ($CD34 \sim FBLN1$)

Table A4

FBLN1 Summaries

Subject Number	Minimum	Maximum	Average	Median
5	3	41	19.3448	18
6	0	0	0	0
7	0	16	4.2500	3
9	0	8	1.8710	1
10	0	30	11.9524	10
11	0	8	1.5140	1
13	0	1	0.0093	0
14	0	5	0.5700	0
15	0	1	0.0400	0
17	0	3	0.0246	0
19	0	2	0.0157	0
20	0	9	2.5867	2
22	0	11	0.9885	0
24	0	4	0.4557	0
26	0	0	0	0

Table A4: Response $FBLN1$ variable summaries ($CD34 \sim FBLN1$)

Code and Data

All code for the above analysis was written and evaluated in RStudio Version 1.2.1335, and is available for download at the following GitHub repository:

https://github.com/leepanter/MSproject_RBC.git

Additionally, a link to all necessarry and referrence data files (including original data) are contained in the following Google Drive:

https://drive.google.com/open?id=1gjHaMJG0Y_kPYWj5bIE4gRJU5z9R2Wqb

References