

Supplementary Material:

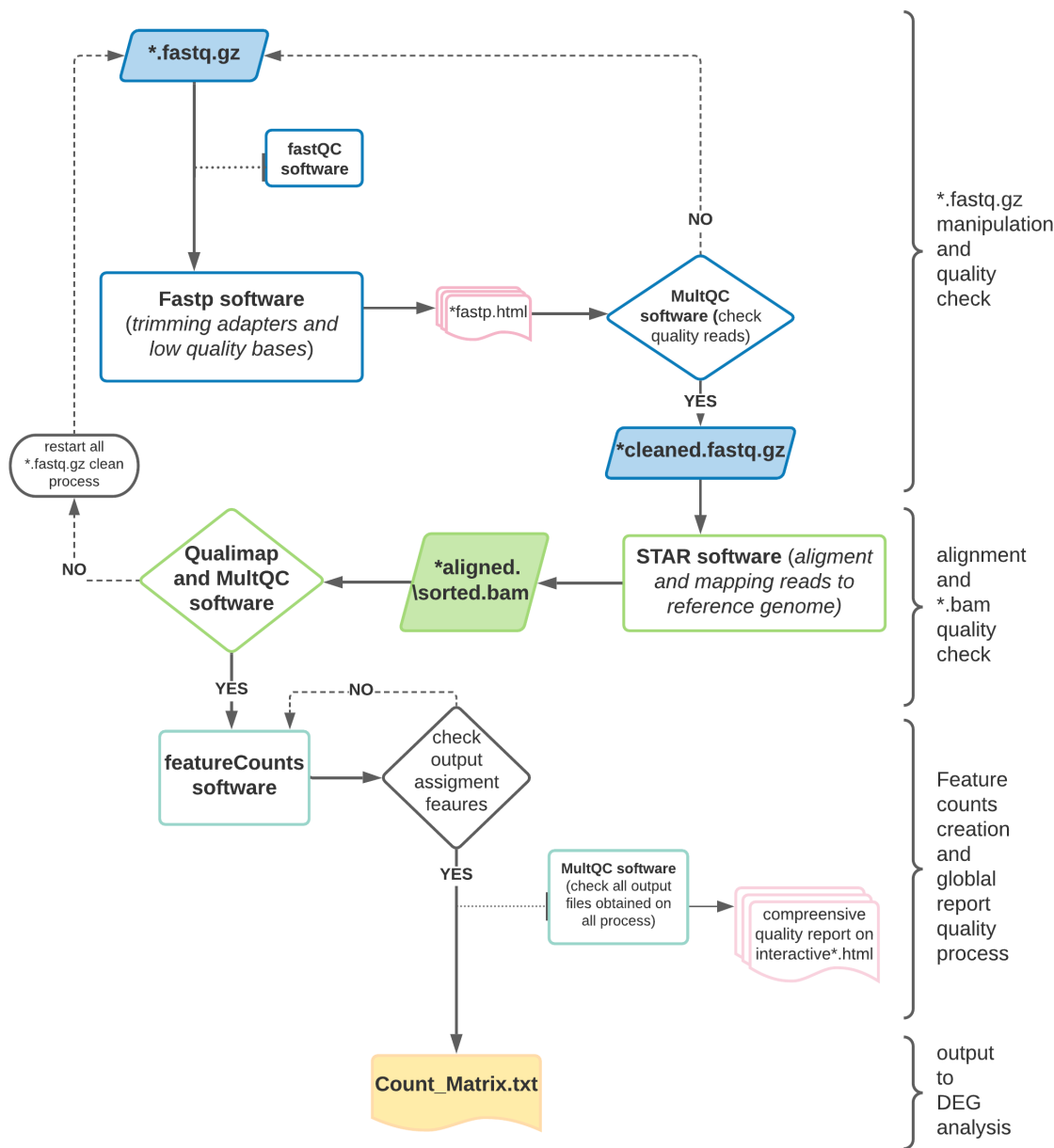


Figure S1 - Alignment and quality control at obtained raw count matrix fluxogram

Table S1 – Quality scores of reads after fastp QC control.

Sample Name	Total Mb reads	Passed Filter (Mb)	Low Quality (Mb)	Too Many N (Mb)	% > Q30	Mb Q30 bases	GC content	% PF	% Adapter
S10	24,55	23,25	1,30	1,82E-04	94,40%	2.185,30	52,20%	94,70%	5,00%
S11	22,36	21,26	1,10	4,48E-04	94,50%	1.993,60	52,20%	95,10%	6,10%
S12	24,26	23,15	1,10	3,16E-04	94,50%	2.175,70	51,10%	95,40%	5,80%
S13	23,64	22,44	1,20	3,20E-04	94,50%	2.109,20	52,40%	94,90%	5,30%
S14	19,14	17,98	1,15	2,42E-04	94,30%	1.687,60	52,60%	94,00%	4,90%
S15	24,44	23,01	1,43	3,56E-04	94,20%	2.156,40	52,10%	94,20%	5,30%
S16	22,93	21,64	1,29	1,96E-04	94,50%	2.034,40	54,40%	94,40%	5,30%
S17	21,41	20,12	1,29	5,16E-04	94,20%	1.885,60	52,30%	94,00%	5,20%
S18	24,44	22,80	1,64	1,68E-04	94,10%	2.137,00	52,70%	93,30%	4,80%
S19	25,64	24,19	1,45	3,60E-04	94,40%	2.268,80	52,80%	94,30%	5,70%
S1	22,45	21,09	1,36	3,44E-04	94,30%	1.970,00	52,50%	94,00%	6,90%
S20	25,12	23,72	1,39	1,86E-04	94,40%	2.228,80	53,70%	94,40%	5,10%
S21	22,96	21,59	1,36	4,04E-04	94,30%	2.017,70	52,10%	94,10%	6,50%
S22	23,00	21,63	1,37	3,20E-04	94,20%	2.029,30	52,00%	94,00%	4,90%
S23	23,24	21,95	1,29	3,28E-04	94,30%	2.055,00	51,90%	94,50%	6,10%
S24	24,44	22,90	1,53	3,08E-04	94,20%	2.146,90	52,10%	93,70%	5,10%
S25	25,77	24,38	1,39	4,18E-04	94,30%	2.284,60	51,60%	94,60%	5,90%
S26	27,93	26,48	1,45	4,68E-04	94,40%	2.485,50	52,40%	94,80%	5,20%
S27	23,34	21,95	1,39	4,24E-04	94,30%	2.052,30	51,90%	94,10%	6,40%
S28	26,34	24,86	1,48	4,24E-04	94,30%	2.329,30	51,50%	94,40%	5,90%
S29	22,83	21,36	1,47	3,40E-04	94,10%	2.002,10	52,20%	93,60%	4,70%
S2	23,87	22,82	1,05	3,58E-04	94,60%	2.142,80	52,20%	95,60%	6,20%
S30	24,35	23,03	1,31	4,14E-04	94,30%	2.161,40	51,70%	94,60%	4,90%
S31	25,04	23,62	1,42	4,58E-04	94,30%	2.210,30	52,00%	94,30%	6,30%
S32	25,53	24,05	1,47	4,06E-04	94,30%	2.246,00	52,40%	94,20%	7,00%
S3	22,52	21,11	1,41	2,84E-04	94,20%	1.974,80	52,30%	93,70%	5,80%
S4	21,57	20,28	1,29	2,54E-04	94,20%	1.895,80	52,80%	94,00%	6,40%
S5	20,58	19,21	1,37	2,88E-04	94,10%	1.793,10	52,40%	93,30%	6,30%
S6	22,11	20,76	1,35	2,46E-04	94,20%	1.943,90	52,90%	93,90%	5,70%
S7	23,86	22,68	1,18	3,04E-04	94,50%	2.127,20	51,70%	95,10%	6,10%
S8	23,20	22,04	1,17	2,20E-04	94,50%	2.073,00	52,10%	95,00%	4,80%
S9	22,21	20,76	1,45	4,24E-04	94,10%	1.932,40	52,40%	93,50%	7,20%
Total	755,05	712,14	42,90	0,01		66735,80			
Mean	23,60	22,25	1,34	3,35E-04	94,31%	2085,494	52,30%	94,30%	5,71%
SD	1,76	1,71	0,13	9,22E-05	0,14%	161,8689	0,61%	0,58%	0,70%
Min.	19,14	17,98	1,05	1,68E-04	94,10%	1687,60	51,10%	93,30%	4,70%
Max.	27,93	26,48	1,64	5,16E-04	94,60%	2485,50	54,40%	95,60%	7,20%

Table S2 – Metrics of alignments and assigned exons.

Sample Name	Total Mapped	Total Unmapped	% Uniquely Aligned	M Uniquely Aligned ¹	% Uniquely Assigned	M Uniquely Assigned ²
GLP-10_S10	10,53	1,09	89,20%	10,4	69,30%	8,2
GLP-11_S11	9,73	0,90	90,00%	9,6	70,60%	7,65
GLP-12_S12	10,65	0,92	90,60%	10,5	69,80%	8,25
GLP-13_S13	10,27	0,94	90,10%	10,1	71,70%	8,2
GLP-14_S14	8,07	0,92	88,30%	7,9	70,50%	6,45
GLP-15_S15	10,35	1,15	88,60%	10,2	69,50%	8,15
GLP-16_S16	9,87	0,95	89,40%	9,7	75,90%	8,4
GLP-17_S17	9,01	1,05	88,10%	8,9	68,10%	7
GLP-18_S18	10,13	1,27	87,50%	10	67,10%	7,8
GLP-19_S19	10,89	1,20	88,70%	10,7	68,60%	8,45
GLP-1_S1	9,51	1,04	88,80%	9,4	70,30%	7,55
GLP-20_S20	10,73	1,13	88,90%	10,5	70,70%	8,55
GLP-21_S21	9,74	1,05	88,60%	9,6	66,90%	7,4
GLP-22_S22	9,72	1,10	88,50%	9,6	69,30%	7,65
GLP-23_S23	9,93	1,04	88,90%	9,8	68,20%	7,65
GLP-24_S24	10,26	1,19	88,20%	10,1	67,80%	7,9
GLP-25_S25	11,06	1,13	89,30%	10,9	69,00%	8,55
GLP-26_S26	12,04	1,19	89,30%	11,8	66,70%	9
GLP-27_S27	9,80	1,17	87,90%	9,6	67,20%	7,5
GLP-28_S28	11,17	1,26	88,40%	11	67,10%	8,5
GLP-29_S29	9,48	1,20	87,30%	9,3	66,10%	7,2
GLP-2_S2	10,62	0,79	91,60%	10,5	73,10%	8,5
GLP-30_S30	10,45	1,06	89,20%	10,3	68,00%	8
GLP-31_S31	10,59	1,22	88,20%	10,4	65,70%	7,9
GLP-32_S32	10,84	1,19	88,30%	10,6	71,70%	8,85
GLP-3_S3	9,46	1,09	88,20%	9,3	69,80%	7,5
GLP-4_S4	9,10	1,03	88,40%	9	68,10%	7,05
GLP-5_S5	8,57	1,03	87,90%	8,4	69,60%	6,8
GLP-6_S6	9,33	1,05	88,50%	9,2	70,70%	7,45
GLP-7_S7	10,35	0,99	89,90%	10,2	70,80%	8,2
GLP-8_S8	10,05	0,97	89,70%	9,9	72,90%	8,2
GLP-9_S9	9,22	1,16	87,30%	9,1	68,00%	7,2
Total	321,56	34,51		316,5		251,65
Mean	10,05	1,08	88,81%	9,9	70,34%	7,86
SD	0,81	0,11	0,95%	0,79	2,23%	0,61
Min.	8,07	0,79	87,30%	7,90	65,70%	6,45
Max .	12,04	1,27	91,60%	11,80	75,90%	9,00

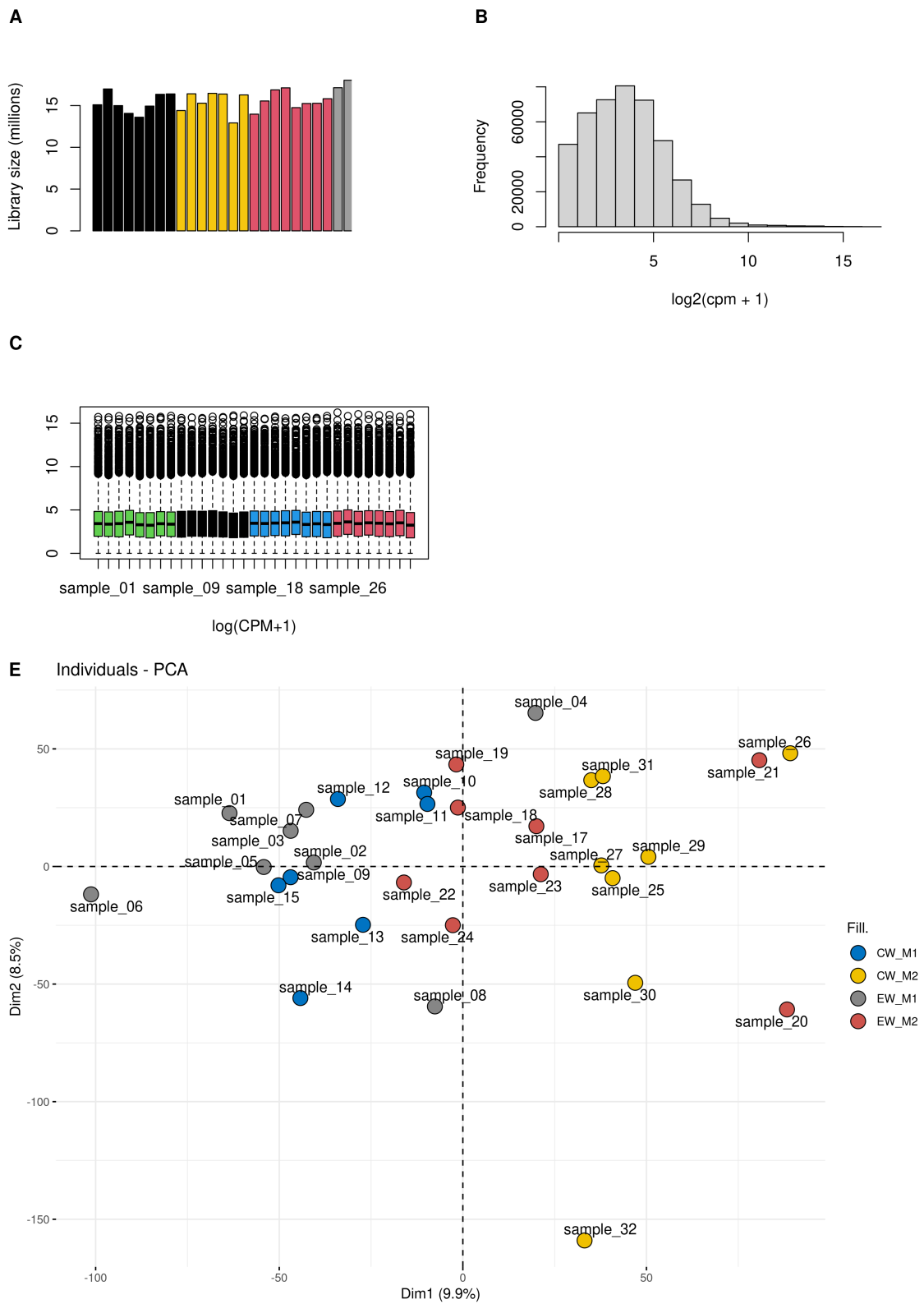


Figure S2 – Size Library (A), distribution of all normalized scaled counts (B), boxplot of normalized scaled counts per sample (C) and PCA plot (E).

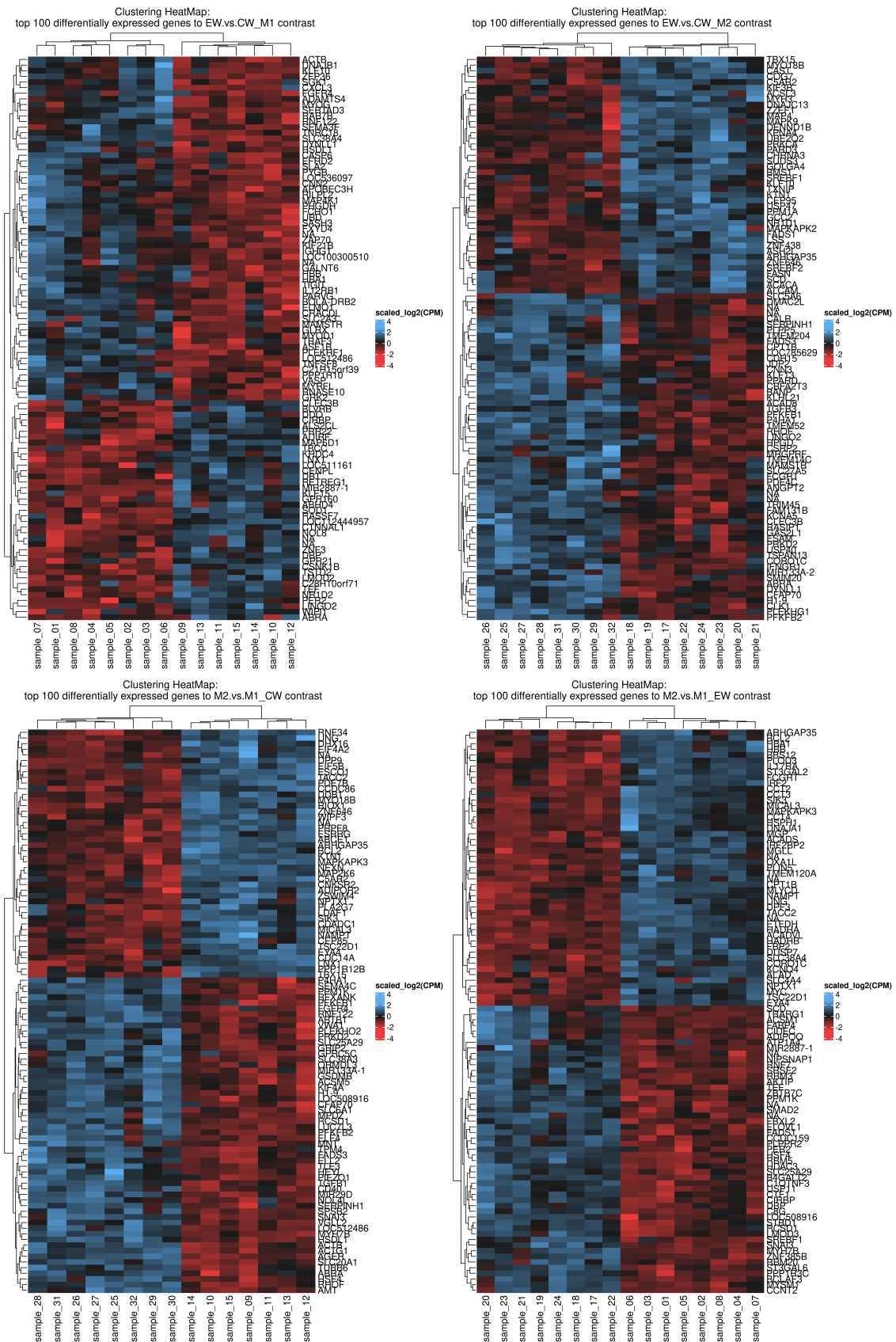


Figure S3. Clustergram of scaled log₂(CPM) from 100 more expressed genes to each one contrast.

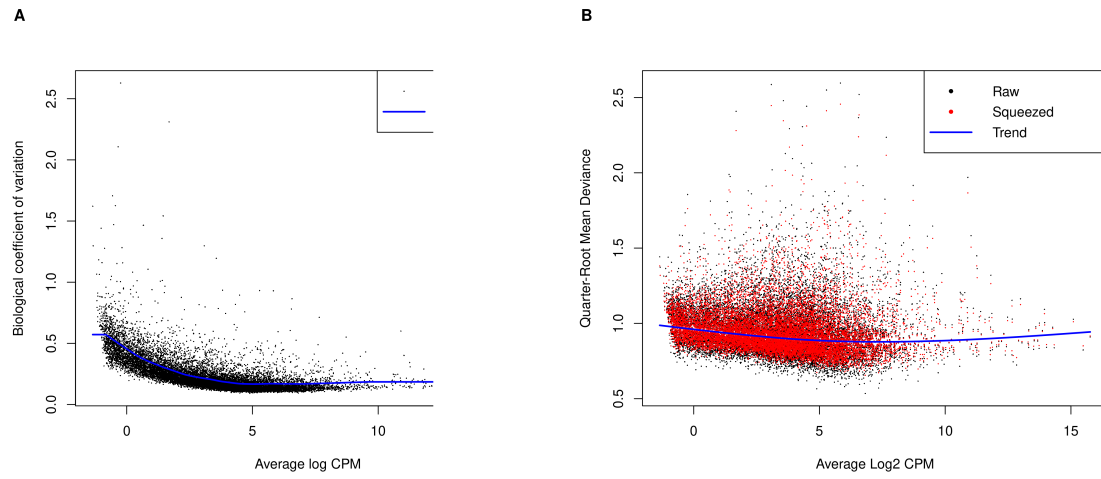


Figure S4 – Biological variation and counts deviation.

