

Supplementary

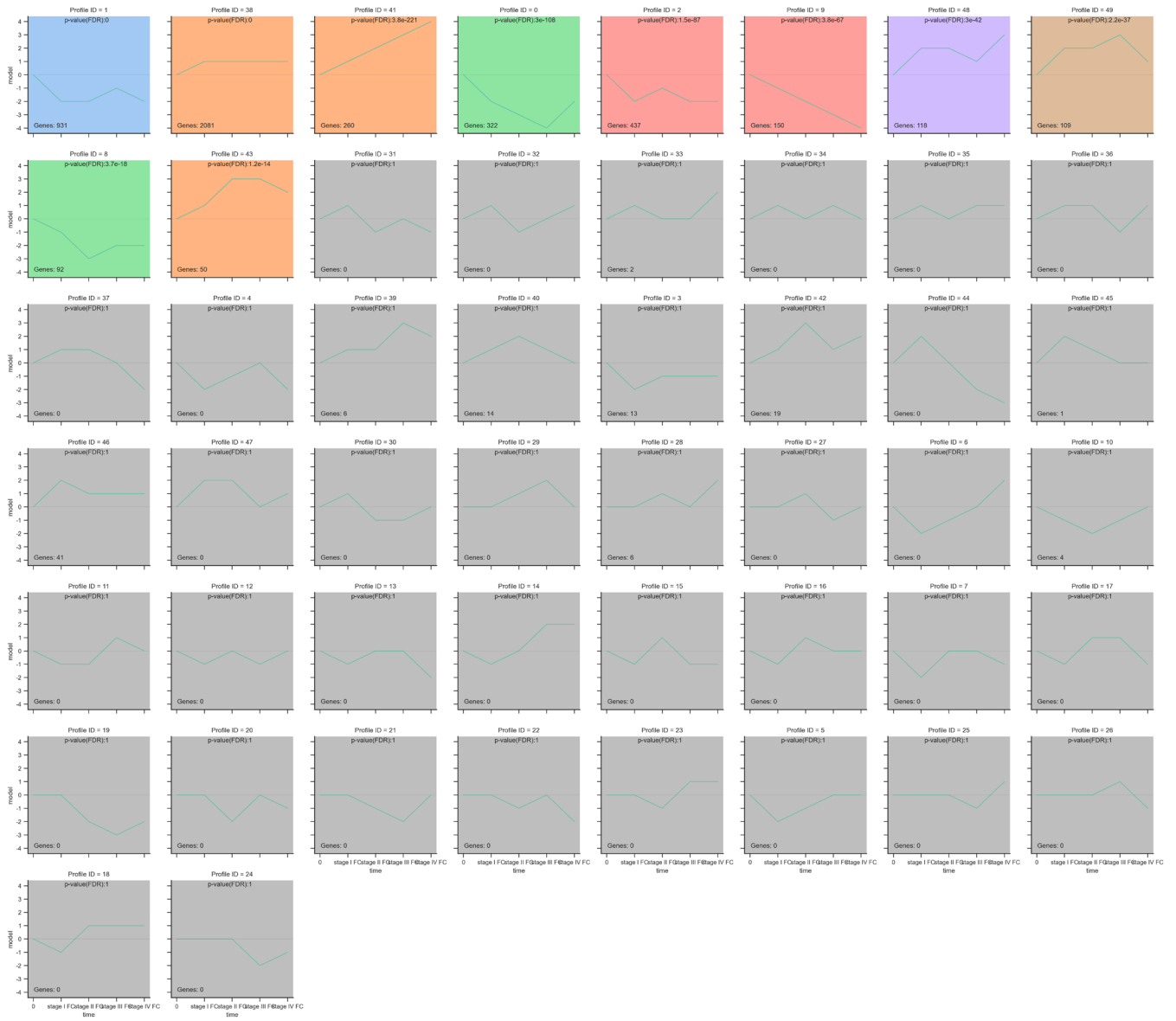


Figure S1 Ten major variation tendencies of gene expression by STEM analysis. STEM, Short Time-series Expression Miner.

Table S1 Twenty-six upregulated genes associated with breast cancer prognosis in the unfavorable gene set

Gene	HR	HR.95L	HR.95H	P value
<i>TMEM70</i>	1.043569	1.017968	1.069814	0.000765
<i>DERL1</i>	1.021823	1.008642	1.035175	0.001118
<i>NSF</i>	1.026375	1.00672	1.046414	0.008318
<i>COPS5</i>	1.039876	1.011008	1.069568	0.006487
<i>HSPA8</i>	1.002499	1.00105	1.00395	0.000722
<i>ARMC1</i>	1.026949	1.010556	1.043607	0.001199
<i>ELOC</i>	1.033785	1.011187	1.056889	0.003214
<i>ARFGEF1</i>	1.020307	1.004823	1.03603	0.009977
<i>PSME1</i>	0.994074	0.990456	0.997705	0.001397
<i>DCTPP1</i>	1.014959	1.006543	1.023445	0.000474
<i>MTFR1</i>	1.034332	1.014289	1.054771	0.000722
<i>RABIF</i>	1.045548	1.011244	1.081016	0.008874
<i>DLG3</i>	1.067608	1.032316	1.104107	0.000137
<i>SLC52A2</i>	1.011621	1.004408	1.018887	0.001553
<i>CMBL</i>	1.012184	1.003103	1.021347	0.008443
<i>ST6GALNAC4</i>	1.030333	1.007932	1.053233	0.007713
<i>LAMTOR4</i>	0.981711	0.969305	0.994275	0.004442
<i>AIFM1</i>	1.032137	1.011559	1.053133	0.002081
<i>QPR1</i>	1.030299	1.012465	1.048448	0.000807
<i>EZR</i>	1.0032	1.000866	1.00554	0.007184
<i>ADAM15</i>	1.010791	1.003825	1.017805	0.00235
<i>STIP1</i>	1.009931	1.003493	1.01641	0.002456
<i>MAB21L4</i>	1.01307	1.006033	1.020155	0.000261
<i>GRINA</i>	1.002649	1.000867	1.004433	0.003553
<i>SDC1</i>	1.002579	1.001037	1.004123	0.001039
<i>PRDX1</i>	1.002043	1.00075	1.003338	0.001943

HR, hazard ratio.

Table S2 Fourteen downregulated genes associated with breast cancer prognosis in the favorable gene set

Gene	HR	HR.95L	HR.95H	P value
<i>RPS6</i>	0.999177	0.998585	0.999769	0.006476
<i>RPL4</i>	0.997157	0.995188	0.999129	0.004741
<i>RPS8</i>	0.998672	0.997693	0.999653	0.007996
<i>RPL34</i>	0.995802	0.992737	0.998876	0.007468
<i>RPS4X</i>	0.999027	0.998306	0.999748	0.008213
<i>RPL31</i>	0.994263	0.990579	0.997961	0.002386
<i>BTG1</i>	0.985082	0.975526	0.994732	0.002511
<i>BCLAF1</i>	1.044311	1.014316	1.075192	0.003546
<i>NFKBIA</i>	0.98387	0.975809	0.991998	0.000107
<i>APOBEC3C</i>	0.969174	0.946372	0.992526	0.009949
<i>BTBD6</i>	0.967475	0.945187	0.99029	0.005428
<i>PARP3</i>	0.929746	0.890931	0.970252	0.000814
<i>LIMCH1</i>	1.036219	1.014398	1.058511	0.001052
<i>FGF7</i>	1.100526	1.028733	1.17733	0.005386

HR, hazard ratio.