

Treatment	Spearman's $\rho$	p-value	Type
Vitamin D	0.146	0.0069	RI
Loratadine	0.2513	0.0308	RI
Aspirin	-0.1883	0.0421	AFE
Copper	-0.2606	5.00E-04	AFE
Caffeine	-0.22	3.00E-04	AFE
Selenium	-0.0861	0.0336	AFE
Cadmium	-0.206	0.0187	AFE
Iron	-0.3228	1.00E-04	AFE
Vitamin B3	-0.4707	0.0029	AFE
Vitamin H	-0.3888	0.0144	AFE
Selenium	-0.1817	1.00E-04	ALE
Loratadine	0.1781	0.0469	ALE
Iron	0.2711	0.0022	ALE
Vitamin D	0.2114	< 0.001	SE
Selenium	-0.3211	0.0149	TandemUTR

**S4 Table. Table of Correlation between Differential Gene Expression and Differential RNA Processing.**

Spearman's correlations were calculated between log-fold change in gene expression and  $\Delta\Psi$  for genes containing significant shifts in RNA processing. Only treatments with  $p$ -value < 0.05 are reported here.