

Table S11. Gene alternative splicing involved in signal pathways.

Gene and alternative splicing isoform	log2FoldChange(SvsR) of gene	log2FoldChange(SvsR) of isoform	Pathway
<i>alas2</i> <i>alas2_novel03</i>	1.1161	1.35227	Metabolic pathways
			Porphyrin and chlorophyll metabolism
			Glycine, serine and threonine metabolism
<i>tktl1</i> <i>tktl1_as</i>	-1.2287	-1.45178	Metabolic pathways
			Carbon metabolism
			Biosynthesis of amino acids
<i>hsp90b1</i> <i>hsp90b1_novel18</i>	1.4176	2.12447	NOD-like receptor signaling pathway
<i>gtse1</i> <i>gtse1_as</i>	2.6997	2.80394	p53 signaling pathway
<i>tubb</i> <i>tubb_novel01</i>	0.73377	0.819256	Phagosome
<i>pan3</i> <i>pan3_novel01</i>	-0.92075	-1.1412	RNA degradation
<i>eif4g1</i> <i>eif4g1_novel05</i>	1.3054	1.43197	RNA transport
<i>aldocb</i> <i>aldocb_novel01</i>	1.3487	1.32807	Metabolic pathways
			Carbon metabolism
			Biosynthesis of amino acids
			Pentose phosphate pathway
<i>gspt1</i> <i>gspt1_novel01</i>	1.9074	1.95804	Glycolysis / Gluconeogenesis and Fructose and mannose metabolism
			mRNA surveillance pathway
<i>rmb8a</i> <i>rmb8a_novel01</i>	0.78439	0.770334	RNA transport
			Spliceosome
			mRNA surveillance pathway
<i>sesn1</i> <i>sesn1_novel03</i>	-0.70797	-0.911889	p53 signal pathway
<i>eif2s2</i> <i>eif2s2_novel01</i>	1.1146	1.04703	RNA transport
<i>nmrk2</i> <i>nmrk2_novel02</i>	0.93177	0.982451	Metabolic pathways
			Nicotinate and nicotinamide metabolism
<i>ptges3</i> <i>ptges3_novel03</i>	1.2216	1.25039	Metabolic pathways
			Arachidonic acid metabolism
<i>ran</i> <i>ran_novel05</i>	1.1096	1.1465	RNA transport
			Ribosome biogenesis in eukaryotes
<i>ncf4</i>	-0.98717	-2.17532	Phagosome

<i>ncf4_novel17</i>			
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