

**Supplementary Table 3 Co-expressed genes list between physiological and pathological condition**

<b>DEG_Overlap</b>	<b>oligo_id</b>	<b>Name</b>	<b>Fold Change (CM/C)</b>	<b>Fold Change(MM/M)</b>
<b>Co-upregulated</b>	Rn30018562	Eraf	18.397200	41.083244
	Rn30016778	Ank1	15.972224	11.486481
	Rn30003045	Asb11	3.441989	9.035264
	Rn30016369	Atp2b3	5.194801	7.652867
	Rn30011179	-	11.798765	7.549108
	Rn30000254	Fn3k	11.928077	6.851828
	Rn30002090	Kcnj12	5.833567	5.868604
	Rn30011659	Pdlim3	6.614194	5.720480
	Rn30024809	Dhrs7c	3.237871	5.310138
	Rn30002820	Mpz	6.395825	5.302353
	Rn30023621	Trdn	3.291266	4.639911
	Rn30017451	Mt3	3.062838	4.492259
	Rn30002016	Yipf7	3.847752	3.716659
	Rn30018049	Trpv3	2.343382	2.873781
	Rn30000995	Tesc	2.039232	2.841624
	R003734_01	Trpv2	2.014405	2.061259
<b>Co-downregulated</b>	Rn30002249	Expi	0.246569	0.396217
	Rn30013792	Tex13b	0.181003	0.244929
	Rn30005732	Samhd1	0.337236	0.233371
	Rn30011612	-	0.453904	0.227387
	Rn30002325	Serpib3a	0.181611	0.213768
	Rn30017247	Ugt1a1	0.474866	0.146449