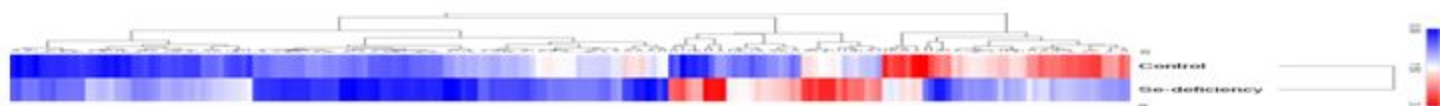**Supplemental Information**

lnc-3215 Suppression Leads to Calcium Overload

in Selenium Deficiency-Induced Chicken Heart

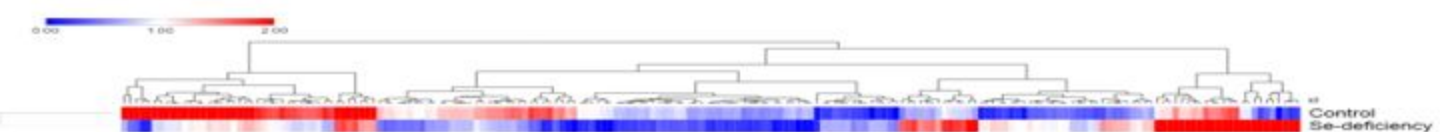**Lesion via the lnc-3215-miR-1594-TNN2 Pathway**

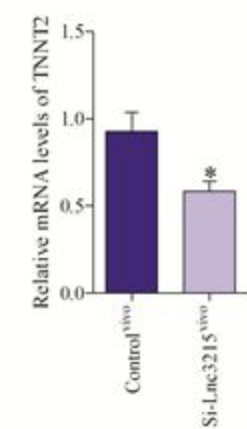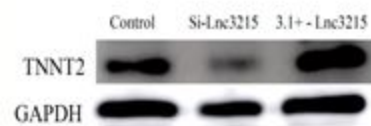Jie Yang, Yafan Gong, Jingzeng Cai, Qi Liu, and Ziwei Zhang

Fig. S1

a

b

c

d

Table S1

miRNA	log2.Fold_change.	p.value	STYLE
gga-miR-122-5p	4.0852	7.82E-63	UP
gga-miR-122-3p	4.0674	0.013323	UP
gga-miR-1756a	3.548	0.25763	UP
gga-miR-194	3.3252	4.12E-31	UP
gga-miR-200a-5p	3.0334	0.38005	UP
gga-miR-215-3p	2.9265	0.24074	UP
gga-miR-1707	2.2261	0.58358	UP
gga-miR-18b-3p	2.2261	0.58358	UP
gga-miR-429-3p	1.9761	0.12614	UP
gga-miR-200a-3p	1.8358	4.74E-08	UP
gga-miR-101-1-5p	1.811	0.68383	UP
gga-miR-1416-3p	1.811	0.68383	UP
gga-miR-1710	1.811	0.68383	UP
gga-miR-1727	1.811	0.68383	UP
gga-miR-6557-3p	1.811	0.68383	UP
gga-miR-6565-3p	1.811	0.68383	UP
gga-miR-6631-5p	1.811	0.68383	UP
gga-miR-1684a-3p	1.6666	0.011214	UP
gga-miR-6544-5p	1.6411	0.53917	UP
gga-let-7a-2-3p	1.6184	0.3254	UP
gga-miR-138-5p	1.548	0.64395	UP
gga-miR-200b-3p	1.4834	0.001597	UP
gga-miR-6582-3p	1.4485	0.46534	UP
gga-miR-153-5p	1.2261	0.81268	UP
gga-miR-1676-5p	1.2261	0.81268	UP
gga-miR-1760	1.2261	0.81268	UP
gga-miR-3532-3p	1.2261	0.59619	UP
gga-miR-6544-3p	1.2261	0.63554	UP
gga-miR-455-3p	1.1503	0.003967	UP
gga-miR-3529	1.0334	0.59596	UP
gga-miR-1662	0.92651	0.11404	UP
gga-let-7f-3p	0.90414	0.54591	UP
gga-miR-29a-5p	0.90414	0.72735	UP
gga-miR-1456-5p	0.84756	0.60731	UP
gga-miR-130c-5p	0.81103	0.6717	UP
gga-miR-1708	0.81103	0.84967	UP
gga-miR-365-2-5p	0.81103	0.84967	UP
gga-miR-6548-5p	0.81103	0.84967	UP
gga-miR-6566-5p	0.81103	0.84967	UP
gga-miR-6582-5p	0.81103	0.78867	UP
gga-miR-1434	0.76664	0.68134	UP
gga-miR-2131-5p	0.75894	0.23665	UP

gga-miR-130a-5p	0.75659	0.52775	UP
gga-miR-1416-5p	0.74919	0.000447	UP
gga-miR-187-3p	0.73627	0.50183	UP
gga-miR-29b-2-5p	0.73303	0.61256	UP
gga-miR-1569	0.7115	0.80339	UP
gga-miR-126-5p	0.70945	2.54E-29	UP
gga-miR-375	0.70251	0.60006	UP
gga-miR-146b-5p	0.69073	1.75E-82	UP
gga-miR-3523	0.68328	0.41975	UP
gga-miR-203a	0.66968	0.60995	UP
gga-miR-92-3p	0.6576	4.01E-78	UP
gga-miR-1655-5p	0.64111	0.81458	UP
gga-miR-1b-5p	0.64111	0.86829	UP
gga-miR-33-3p	0.64111	0.81458	UP
gga-miR-6648-3p	0.64111	0.86829	UP
gga-miR-223	0.63786	0.082881	UP
gga-miR-222b-5p	0.622	0.68978	UP
gga-miR-181a-5p	0.60595	1.37E-38	UP
gga-miR-204	0.58611	0.34491	UP
gga-miR-221-5p	0.56082	0.001306	UP
gga-miR-30e-3p	0.54861	8.53E-07	UP
gga-miR-2188-3p	0.548	0.83053	UP
gga-miR-1594	0.548	0.87971	UP
gga-miR-146a-5p	0.54784	6.10E-06	UP
gga-let-7j-3p	0.5222	0.53256	UP
gga-miR-155	0.52052	0.47197	UP
gga-miR-146a-3p	0.46649	0.25643	UP
gga-miR-34a-5p	0.46638	0.45869	UP
gga-miR-184-3p	0.452	0.26182	UP
gga-miR-301a-5p	0.44846	0.72204	UP
gga-miR-3531-5p	0.44846	0.89304	UP
gga-let-7f-5p	0.4444	4.42E-45	UP
gga-miR-128-3p	0.44424	1.80E-15	UP
gga-let-7a-3p	0.44398	0.3699	UP
gga-miR-27b-5p	0.43599	0.63349	UP
gga-miR-32-3p	0.42229	0.54265	UP
gga-miR-26a-5p	0.42204	1.93E-92	UP
gga-miR-133a-5p	0.41632	9.04E-05	UP
gga-miR-214	0.41146	0.041958	UP
gga-miR-22-3p	0.39789	3.26E-33	UP
gga-miR-30c-1-3p	0.37511	0.040165	UP
gga-miR-146c-3p	0.37275	0.34503	UP
gga-miR-106-3p	0.36981	0.68972	UP
gga-miR-1b-3p	0.36119	1.00E-30	UP

gga-miR-22-5p	0.35805	0.44873	UP
gga-miR-2131-3p	0.34343	0.79567	UP
gga-miR-30c-2-3p	0.33305	0.19836	UP
gga-miR-6660-3p	0.32561	0.84486	UP
gga-let-7g-5p	0.32376	3.15E-10	UP
gga-miR-30d	0.32013	2.26E-23	UP
gga-miR-490-5p	0.31722	0.78424	UP
gga-miR-190a-5p	0.31684	0.80272	UP
gga-miR-1786	0.28747	0.87745	UP
gga-miR-454-3p	0.28702	0.4317	UP
gga-miR-365-3p	0.28434	0.6347	UP
gga-miR-24-3p	0.28306	0.07156	UP
gga-miR-130b-3p	0.28233	0.30642	UP
gga-miR-181b-5p	0.27943	0.19348	UP
gga-miR-6550-3p	0.27854	0.91309	UP
gga-miR-125b-3p	0.27406	0.54868	UP
gga-miR-301b-5p	0.27312	0.78834	UP
gga-let-7d	0.27069	0.7877	UP
novel_2	0.26968	0.29342	UP
gga-miR-16-5p	0.25845	0.25313	UP
gga-miR-30a-3p	0.25318	0.43764	UP
gga-miR-144-5p	0.24925	0.67588	UP
gga-miR-221-3p	0.2315	0.48209	UP
gga-miR-1677-3p	0.22729	0.70156	UP
gga-miR-10b-3p	0.22607	0.98489	UP
gga-miR-128-1-5p	0.22607	0.94918	UP
gga-miR-1456-3p	0.22607	0.99128	UP
gga-miR-1550-3p	0.22607	0.98767	UP
gga-miR-1618-5p	0.22607	0.99128	UP
gga-miR-1626-5p	0.22607	0.98489	UP
gga-miR-1685-3p	0.22607	0.99128	UP
gga-miR-1685-5p	0.22607	0.99128	UP
gga-miR-1728-3p	0.22607	0.99128	UP
gga-miR-1779	0.22607	0.98767	UP
gga-miR-1792	0.22607	0.99128	UP
gga-miR-1795	0.22607	0.99128	UP
gga-miR-1805-5p	0.22607	0.98489	UP
gga-miR-183	0.22607	0.90311	UP
gga-miR-200b-5p	0.22607	0.99128	UP
gga-miR-29c-5p	0.22607	0.98767	UP
gga-miR-30b-3p	0.22607	0.97108	UP
gga-miR-3530-5p	0.22607	0.99128	UP
gga-miR-3607-5p	0.22607	0.99128	UP
gga-miR-6549-5p	0.22607	0.99128	UP

gga-miR-6552-3p	0.22607	0.99128	UP
gga-miR-6575-5p	0.22607	0.98767	UP
gga-miR-6594-5p	0.22607	0.99128	UP
gga-miR-6604-5p	0.22607	0.99128	UP
gga-miR-7474-5p	0.22607	0.99128	UP
novel_38	0.22607	0.97864	UP
novel_39	0.22607	0.98767	UP
novel_40	0.22607	0.98767	UP
novel_41	0.22607	0.99128	UP
novel_43	0.22607	0.99128	UP
novel_7	0.22607	0.99128	UP
gga-let-7a-5p	0.19412	0.3623	UP
gga-miR-222a	0.18032	0.86539	UP
gga-miR-26a-3p	0.17876	0.99109	UP
gga-miR-133a-3p	0.16466	0.80605	UP
gga-let-7i	0.15958	0.70189	UP
gga-miR-1a-1-5p	0.15896	0.99368	UP
gga-miR-135a-5p	0.15568	0.9916	UP
gga-miR-23b-3p	0.14719	0.84763	UP
gga-miR-30b-5p	0.13851	0.71429	UP
gga-miR-218-5p	0.13658	0.20693	UP
gga-miR-458b-5p	0.13553	0.17564	UP
gga-miR-1781-3p	0.12986	0.9686	UP
gga-miR-20a-5p	0.11425	0.20599	UP
gga-miR-130b-5p	0.11079	0.79376	UP
gga-miR-499-5p	0.10582	9.74E-94	UP
gga-miR-148a-3p	0.10103	1.78E-14	UP
gga-let-7c-5p	0.10103	0.36634	UP
gga-miR-20b-5p	0.10092	0.69068	UP
gga-let-7k-5p	0.091242	0.19495	UP
gga-let-7c-3p	0.088567	0.96134	UP
gga-miR-181b-2-3p	0.088567	0.96134	UP
gga-miR-206	0.088567	0.96134	UP
novel_23	0.077207	0.90524	UP
gga-let-7b	0.075232	0.016755	UP
gga-miR-99a-5p	0.074621	1.21E-07	UP
gga-miR-133c-3p	0.071337	0.005162	UP
gga-miR-106-5p	0.070653	0.58412	UP
gga-miR-99a-3p	0.057799	0.71538	UP
gga-miR-133c-5p	0.033425	0.94471	UP
gga-miR-1747-5p	0.033425	0.94471	UP
gga-miR-21-5p	0.032062	4.14E-18	UP
gga-miR-19a-3p	0.022711	0.55385	UP
gga-miR-130c-3p	0.019304	0.61212	UP

gga-miR-301a-3p	0.014566	0.89602	UP
gga-miR-219a	0.01278	0.50754	UP
gga-miR-219b	0.01278	0.50754	UP
gga-miR-1559-5p	0.011431	0.3947	UP
gga-miR-3524a	0.009259	0.85021	UP
gga-miR-29a-3p	0.004684	0.64716	UP
gga-miR-29c-3p	0.004684	0.64716	UP
gga-miR-142-5p	0.003974	0.39656	UP
gga-miR-7	0.003678	0.060309	UP
gga-miR-18a-3p	0.003678	0.91127	UP
gga-miR-15c-5p	-0.00354	0.53405	DOWN
gga-miR-3538	-0.00526	0.87058	DOWN
novel_25	-0.01137	0.60318	DOWN
gga-miR-15b-3p	-0.01494	0.90515	DOWN
gga-miR-18a-5p	-0.02329	0.6352	DOWN
gga-miR-125b-5p	-0.02658	4.61E-13	DOWN
gga-miR-1454	-0.0266	0.54004	DOWN
novel_34	-0.02912	0.00418	DOWN
gga-miR-10a-5p	-0.02992	9.11E-07	DOWN
gga-miR-456-3p	-0.03249	0.44314	DOWN
gga-miR-1451-5p	-0.05184	0.54606	DOWN
gga-miR-107-3p	-0.0632	0.064075	DOWN
gga-miR-1744-3p	-0.06344	0.89063	DOWN
gga-miR-30a-5p	-0.0717	1.90E-46	DOWN
gga-miR-455-5p	-0.07221	0.29057	DOWN
gga-miR-146b-3p	-0.0848	0.15884	DOWN
gga-miR-10a-3p	-0.08587	0.70067	DOWN
gga-miR-15a	-0.09085	0.33799	DOWN
gga-miR-199-3p	-0.09485	7.99E-36	DOWN
gga-miR-137-3p	-0.09586	0.91629	DOWN
gga-miR-19b-3p	-0.09827	0.12478	DOWN
gga-miR-17-5p	-0.10596	0.4603	DOWN
gga-miR-1306-5p	-0.10953	0.71954	DOWN
gga-miR-499-3p	-0.11578	0.000438	DOWN
gga-miR-1451-3p	-0.12185	0.84749	DOWN
gga-miR-133b	-0.12298	0.007501	DOWN
gga-miR-222b-3p	-0.12443	0.71125	DOWN
gga-miR-138-2-3p	-0.12757	0.80172	DOWN
gga-miR-100-5p	-0.12937	3.24E-30	DOWN
gga-miR-15b-5p	-0.1298	0.43934	DOWN
gga-miR-458a-3p	-0.13233	0.1783	DOWN
gga-miR-101-2-5p	-0.1365	0.87163	DOWN
gga-miR-1677-5p	-0.15008	0.6611	DOWN
gga-miR-101-3p	-0.15178	6.50E-42	DOWN

gga-miR-301b-3p	-0.15244	0.68356	DOWN
gga-miR-16c-5p	-0.15567	9.90E-08	DOWN
gga-miR-147	-0.16821	0.68832	DOWN
gga-miR-1743	-0.18897	0.90041	DOWN
gga-miR-29b-1-5p	-0.18897	0.90041	DOWN
gga-miR-489-3p	-0.18897	0.8284	DOWN
gga-miR-1306-3p	-0.20456	0.52996	DOWN
gga-miR-138-1-3p	-0.2145	0.77108	DOWN
gga-miR-153-3p	-0.22139	0.71008	DOWN
gga-miR-27b-3p	-0.22593	1.23E-48	DOWN
gga-miR-146c-5p	-0.23273	2.57E-20	DOWN
gga-miR-142-3p	-0.23656	0.13485	DOWN
gga-miR-24-5p	-0.24786	0.60991	DOWN
gga-miR-29b-3p	-0.24927	0.3439	DOWN
gga-miR-490-3p	-0.25165	1.05E-09	DOWN
gga-miR-181a-3p	-0.25184	0.049673	DOWN
gga-miR-1397-5p	-0.25936	0.84478	DOWN
gga-miR-1668-3p	-0.25936	0.84478	DOWN
gga-miR-10b-5p	-0.26542	0.000141	DOWN
novel_29	-0.26578	0.2604	DOWN
gga-miR-103-3p	-0.27312	1.79E-30	DOWN
gga-miR-1729-5p	-0.2786	0.1602	DOWN
gga-miR-130a-3p	-0.28688	0.37701	DOWN
gga-miR-2188-5p	-0.31238	9.99E-05	DOWN
gga-miR-205a	-0.3145	0.74064	DOWN
gga-miR-193b-3p	-0.35284	0.093608	DOWN
gga-miR-1656	-0.35889	0.87657	DOWN
gga-miR-1805-3p	-0.35889	0.64125	DOWN
gga-miR-3540	-0.35889	0.82614	DOWN
gga-miR-365-1-5p	-0.35889	0.82614	DOWN
gga-miR-383-5p	-0.35889	0.87657	DOWN
gga-miR-6590-3p	-0.35889	0.87657	DOWN
gga-miR-6615-3p	-0.35889	0.87657	DOWN
gga-miR-1560-3p	-0.3906	0.52135	DOWN
gga-miR-140-5p	-0.41393	2.40E-06	DOWN
gga-miR-181b-1-3p	-0.42601	0.50744	DOWN
gga-miR-190a-3p	-0.42601	0.74033	DOWN
gga-miR-1329-5p	-0.44272	0.41988	DOWN
gga-miR-1563	-0.452	0.76901	DOWN
gga-miR-23b-5p	-0.452	0.76901	DOWN
gga-miR-3525	-0.49478	0.29863	DOWN
gga-miR-1782	-0.5109	0.80132	DOWN
gga-miR-3531-3p	-0.5109	0.80132	DOWN
gga-miR-140-3p	-0.54362	4.12E-45	DOWN

gga-miR-6615-5p	-0.56243	0.60092	DOWN
gga-miR-17-3p	-0.58128	0.35851	DOWN
gga-miR-3535	-0.5999	0.43376	DOWN
gga-miR-148a-5p	-0.60146	0.1587	DOWN
gga-miR-3539	-0.604	0.61448	DOWN
gga-miR-460b-5p	-0.61043	0.52598	DOWN
gga-miR-21-3p	-0.62954	0.42465	DOWN
gga-miR-18b-5p	-0.63191	0.4844	DOWN
gga-miR-6542-3p	-0.6484	0.53538	DOWN
gga-miR-1729-3p	-0.66145	0.41518	DOWN
gga-miR-365b-5p	-0.69147	0.25485	DOWN
gga-miR-16-1-3p	-0.69993	0.54391	DOWN
gga-miR-460a-5p	-0.75665	0.058427	DOWN
gga-miR-1467-5p	-0.77393	0.83291	DOWN
gga-miR-1620	-0.77393	0.83291	DOWN
gga-miR-1669	-0.77393	0.83291	DOWN
gga-miR-1720-5p	-0.77393	0.83291	DOWN
gga-miR-1754-5p	-0.77393	0.83291	DOWN
gga-miR-1769-3p	-0.77393	0.76543	DOWN
gga-miR-187-5p	-0.77393	0.83291	DOWN
gga-miR-34b-3p	-0.77393	0.83291	DOWN
gga-miR-34c-3p	-0.77393	0.83291	DOWN
gga-miR-460b-3p	-0.77393	0.76543	DOWN
gga-miR-6548-3p	-0.77393	0.7148	DOWN
gga-miR-6669-3p	-0.77393	0.83291	DOWN
novel_13	-0.77393	0.83291	DOWN
novel_24	-0.77393	0.76543	DOWN
novel_4	-0.77393	0.76543	DOWN
gga-miR-16-2-3p	-0.85193	0.48727	DOWN
novel_1	-0.86201	1.02E-29	DOWN
novel_3	-0.88863	2.08E-25	DOWN
gga-miR-9-5p	-0.93113	1.59E-05	DOWN
gga-miR-33-5p	-0.99632	0.15904	DOWN
gga-miR-1663-3p	-0.99632	0.63876	DOWN
gga-miR-20a-3p	-0.99632	0.63876	DOWN
gga-miR-20b-3p	-1.0959	0.54942	DOWN
gga-miR-1625-5p	-1.189	0.57161	DOWN
gga-miR-1731-5p	-1.189	0.42371	DOWN
gga-miR-144-3p	-1.1943	2.77E-06	DOWN
gga-miR-32-5p	-1.2629	5.05E-14	DOWN
gga-miR-34b-5p	-1.2633	0.075184	DOWN
gga-miR-1651-3p	-1.3589	0.70508	DOWN
gga-miR-1682	-1.3589	0.70508	DOWN
gga-miR-1728-5p	-1.3589	0.70508	DOWN

gga-miR-3528	-1.3589	0.59248	DOWN
gga-miR-3536	-1.3589	0.39739	DOWN
gga-miR-3607-3p	-1.3589	0.70508	DOWN
gga-miR-6699-5p	-1.3589	0.70508	DOWN
novel_5	-1.3589	0.70508	DOWN
gga-miR-34c-5p	-1.3954	0.15969	DOWN
gga-miR-216b	-1.426	0.29024	DOWN
gga-miR-6606-5p	-1.431	0.14788	DOWN
gga-miR-1635	-1.5813	0.52393	DOWN
gga-miR-1329-3p	-1.7739	0.60499	DOWN
gga-miR-1453	-1.7739	0.60499	DOWN
gga-miR-1712-3p	-1.7739	0.60499	DOWN
gga-miR-9-3p	-1.7739	0.60499	DOWN
gga-miR-7b	-1.9145	3.70E-30	DOWN
gga-miR-1649-5p	-2.0959	0.52374	DOWN
gga-miR-449a	-2.0959	0.52374	DOWN
novel_22	-2.0959	0.52374	DOWN
gga-miR-1684b-3p	-2.2479	0.036112	DOWN
gga-miR-217-5p	-2.5288	0.020579	DOWN
gga-miR-1551-5p	-2.5813	0.39965	DOWN
gga-miR-1737	-3.4744	0.19271	DOWN

Tabel S2

transcript_id	log2(foldchange)	pvalue	STYLE
TCONS_14281100	1.79106	0.01205	UP
TCONS_14342613	1.72696	0.0012	UP
XM_003643590.2	1.71449	0.00115	UP
NM_001277427.1	1.62343	0.00505	UP
XM_004935740.1	1.61929	5.00E-05	UP
XM_422502.3	1.61276	5.00E-05	UP
NM_205471.1	1.60205	0.0016	UP
TCONS_09082975	1.57447	0.01385	UP
XM_415405.4	1.5696	5.00E-05	UP
XM_422282.4	1.56834	5.00E-05	UP
NM_204441.1	1.54942	0.007	UP
NM_001130741.1	4.32692	0.00105	UP
NM_001277698.1	4.26786	0.0014	UP
NM_204882.1	3.91336	5.00E-05	UP
XM_001233227.3	3.90344	0.00065	UP
XM_003643568.2	3.57488	0.00295	UP
NM_001044633.1	3.41834	5.00E-05	UP
NM_001109784.1	3.25677	0.0033	UP
NM_001001616.1	3.09228	5.00E-05	UP
NM_001001193.1	2.63855	0.0101	UP
XM_419618.4	2.63384	5.00E-05	UP
NM_204745.1	2.61559	0.00015	UP
XM_004949789.1	2.58529	0.0002	UP
XM_001234022.3	2.53805	0.001	UP
TCONS_20554109	2.44207	0.0002	UP
Novel002158.1	2.30127	0.00695	UP
XM_430508.4	2.13445	0.0062	UP
XM_003643721.2	2.12376	0.00595	UP
XM_004950214.1	2.11925	0.0069	UP
NM_001144849.2	1.95647	5.00E-05	UP
XM_418376.4	1.52214	0.0062	UP
XM_426427.4	1.48118	0.00075	UP
NM_204667.1	1.4774	0.0003	UP
XM_004949945.1	1.44082	0.0003	UP
NM_205294.1	1.40504	0.0013	UP
NM_205168.3	1.40387	0.0113	UP
XM_004945682.1	1.36717	0.00315	UP
TCONS_13088357	1.34709	0.00065	UP
XM_417192.4	1.34408	0.0042	UP
XM_003642787.2	1.34155	0.0019	UP

ALDBGALT0000002101	1.31339	0.00325	UP
XM_003641047.2	1.31308	0.0009	UP
NM_001030640.1	1.31105	0.00115	UP
NM_001033642.1	1.20371	0.0003	UP
ALDBGALT0000005352	1.189	0.00085	UP
NM_001006264.1	1.17481	0.00445	UP
XM_414669.3	1.14405	0.00145	UP
TCONS_14354749	1.12109	0.00895	UP
NM_001030991.1	1.10693	0.00125	UP
NM_001008455.1	1.09651	0.0043	UP
XM_001233677.3	1.30175	0.001	UP
XM_003641119.2	1.2859	0.00205	UP
XM_417392.4	1.28382	0.0092	UP
XM_414018.4	1.28235	0.0094	UP
TCONS_09063318	1.27165	0.0112	UP
NM_001039597.1	1.24	0.0019	UP
TCONS_00646547	1.23953	0.00155	UP
TCONS_07214998	1.2169	0.0123	UP
XM_419723.4	1.08923	0.00475	UP
XM_004945665.1	1.05463	0.0001	UP
NM_204327.2	1.03928	0.00095	UP
XM_003642970.2	1.0319	0.0002	UP
XM_001235437.3	1.01758	0.0012	UP
TCONS_04053929	1.01046	5.00E-05	UP
XM_004943127.1	1.00967	0.0154	UP
XM_417036.4	1.00866	0.00995	UP
NM_001037839.1	0.9913	0.0113	UP
XM_004941226.1	0.983819	0.00365	UP
XM_429205.4	0.968896	0.00365	UP
XM_003642909.2	0.945714	0.0101	UP
XM_004939923.1	0.942907	0.001	UP
XM_416863.3	0.91721	0.0008	UP
ALDBGALT0000002946	0.913925	0.00545	UP
XM_004945664.1	0.912453	0.0016	UP
XM_418985.3	0.908889	0.01415	UP
NM_204605.1	0.905415	0.00245	UP
XM_003642236.2	0.902251	0.00355	UP
XM_418581.4	0.878662	0.00385	UP
TCONS_19504485	0.86588	0.01125	UP
TCONS_00513805	0.716863	0.00865	UP
XM_003641130.2	0.70379	0.00575	UP
XM_418588.4	0.668287	0.00515	UP
Novel001341.1	0.63607	0.0106	UP
XLOC_1553250	0.615489	0.0053	UP

TCONS_05366281	0.536215	0.015	UP
TCONS_15203807	0.843659	0.0071	UP
TCONS_16526414	0.838499	0.01165	UP
XM_421454.4	0.8278	0.00105	UP
NM_001077233.1	0.78049	0.00765	UP
XM_001235375.2	0.778934	0.00155	UP
NM_001031339.1	0.749155	0.0077	UP
XM_427075.4	0.742957	0.0115	UP
XM_419478.4	0.738859	0.0043	UP
NM_001199806.1	0.725261	0.0033	UP
XM_422163.4	-0.619224	0.0024	DOWN
Novel000593.1	-0.642856	0.0061	DOWN
XM_421724.4	-0.892722	0.00545	DOWN
XM_417157.4	-0.918563	0.0021	DOWN
NM_001199550.1	-0.919041	0.0037	DOWN
XM_004935241.1	-0.930023	0.003	DOWN
ALDBGALT0000002779	-0.932254	0.01365	DOWN
XM_425694.4	-0.9716	0.00295	DOWN
NM_204810.1	-0.972545	0.0068	DOWN
NM_204335.1	-1.00366	0.0051	DOWN
XM_416843.4	-1.04916	0.00445	DOWN
NM_001127439.1	-1.07259	0.0093	DOWN
NM_001030740.1	-1.09971	0.00085	DOWN
NM_001001756.1	-1.12639	0.0022	DOWN
XM_425187.3	-1.13153	0.0141	DOWN
XM_004950690.1	-1.13185	0.01015	DOWN
NM_001197236.1	-1.14459	0.00085	DOWN
NM_001048079.1	-1.47405	0.01185	DOWN
NM_204819.1	-1.47477	0.00155	DOWN
NM_001030345.2	-1.4941	0.0027	DOWN
NM_001277738.1	-1.61147	0.0008	DOWN
Novel002569.1	-1.62143	0.00935	DOWN
XM_004950894.1	-1.6341	0.0037	DOWN
NM_205009.2	-1.65992	5.00E-05	DOWN
XM_004946122.1	-1.15246	0.0132	DOWN
NM_001142254.1	-1.15405	0.00675	DOWN
NM_205280.1	-1.16902	0.0091	DOWN
XM_424502.4	-1.18534	0.01235	DOWN
TCONS_00098255	-1.19239	0.0122	DOWN
XM_004948161.1	-1.23136	0.00715	DOWN
XM_415354.4	-1.28438	0.0116	DOWN
XM_004946982.1	-1.29324	0.00225	DOWN
XM_415100.4	-1.30119	0.0003	DOWN
XM_004948643.1	-1.31365	0.01005	DOWN

TCONS_00303679	-1.31459	0.00195	DOWN
TCONS_07772806	-1.32741	0.0124	DOWN
XM_426306.3	-1.38373	0.011	DOWN
XM_004950163.1	-1.3891	0.00815	DOWN
TCONS_08900221	-1.41599	0.0079	DOWN
XM_422447.3	-0.675352	0.01375	DOWN
ALDBGALG0000003215	-1.60132	1	DOWN
NM_001001302.1	-0.710206	0.0138	DOWN
XM_001233940.3	-0.735192	0.0144	DOWN
NM_001195122.1	-0.803284	0.00485	DOWN
Novel001401.1	-0.831956	0.00575	DOWN
XM_003642826.2	-0.850511	0.00165	DOWN
XM_004940016.1	-0.855355	0.00475	DOWN
NM_001134359.1	-0.868838	0.0097	DOWN
NM_001112799.1	-0.885007	0.00725	DOWN
NM_001098608.1	-1.69674	0.0032	DOWN
TCONS_00109158	-1.70034	0.0133	DOWN
TCONS_00405156	-2.70032	0.0095	DOWN
NM_001270816.1	-2.75059	0.0031	DOWN
XM_001236523.3	-2.97284	0.00105	DOWN
XM_003643836.2	-3.25254	5.00E-05	DOWN
NM_001159663.1	-3.34543	0.00045	DOWN
Novel000456.1	-3.45124	0.0134	DOWN
Novel000364.1	-3.54202	0.0087	DOWN
Novel000382.1	-3.67075	0.0005	DOWN
XM_423120.4	-2.12899	0.0009	DOWN
XM_424715.4	-2.15758	5.00E-05	DOWN
NM_204578.1	-2.18995	0.00205	DOWN
NM_204700.2	-2.27015	0.0016	DOWN
XM_419455.4	-2.31123	0.0115	DOWN
XM_004950126.1	-2.32167	0.00385	DOWN
XM_004950527.1	-2.34653	0.00165	DOWN
XM_004949826.1	-2.62642	0.00065	DOWN
TCONS_00032737	-2.64996	0.00015	DOWN
Novel000386.1	-2.66317	0.00175	DOWN