

Table S1 The SDEmiRs were identified between control group and Se-deficient group.

sRNA	log2. Fold_change.	p. value	STYLE
gga-miR-1737	-3.4744	0.1927	DOWN
gga-miR-1551-5p	-2.5813	0.39964	DOWN
gga-miR-217-5p	-2.5288	0.020577	DOWN
gga-miR-1684b-3p	-2.2479	0.036109	DOWN
gga-miR-1649-5p	-2.0959	0.52374	DOWN
gga-miR-449a	-2.0959	0.52374	DOWN
gga-miR-7b	-1.9145	3.69E-30	DOWN
gga-miR-1329-3p	-1.7739	0.60498	DOWN
gga-miR-1453	-1.7739	0.60498	DOWN
gga-miR-1712-3p	-1.7739	0.60498	DOWN
gga-miR-9-3p	-1.7739	0.60498	DOWN
gga-miR-1635	-1.5813	0.52393	DOWN
gga-miR-6606-5p	-1.431	0.14787	DOWN
gga-miR-216b	-1.426	0.29023	DOWN
gga-miR-34c-5p	-1.3954	0.15968	DOWN
gga-miR-1651-3p	-1.3589	0.70507	DOWN
gga-miR-1682	-1.3589	0.70507	DOWN
gga-miR-1728-5p	-1.3589	0.70507	DOWN
gga-miR-3528	-1.3589	0.59247	DOWN
gga-miR-3536	-1.3589	0.39738	DOWN
gga-miR-3607-3p	-1.3589	0.70507	DOWN
gga-miR-6699-5p	-1.3589	0.70507	DOWN
novel_145	-1.3589	0.70507	DOWN
gga-miR-34b-5p	-1.2633	0.075178	DOWN
gga-miR-32-5p	-1.2629	5.05E-14	DOWN
gga-miR-144-3p	-1.1943	2.77E-06	DOWN
gga-miR-1625-5p	-1.189	0.5716	DOWN
gga-miR-1731-5p	-1.189	0.4237	DOWN
gga-miR-20b-3p	-1.0959	0.54941	DOWN
gga-miR-33-5p	-0.99632	0.15903	DOWN
gga-miR-1663-3p	-0.99632	0.63875	DOWN
gga-miR-20a-3p	-0.99632	0.63875	DOWN
gga-miR-9-5p	-0.93113	1.59E-05	DOWN
novel_128	-0.88863	2.08E-25	DOWN
novel_11	-0.86201	1.02E-29	DOWN
gga-miR-16-2-3p	-0.85193	0.48726	DOWN
gga-miR-1467-5p	-0.77393	0.8329	DOWN
gga-miR-1620	-0.77393	0.8329	DOWN
gga-miR-1669	-0.77393	0.8329	DOWN
gga-miR-1720-5p	-0.77393	0.8329	DOWN
gga-miR-1754-5p	-0.77393	0.8329	DOWN
gga-miR-1769-3p	-0.77393	0.76542	DOWN
gga-miR-187-5p	-0.77393	0.8329	DOWN
gga-miR-34b-3p	-0.77393	0.8329	DOWN
gga-miR-34c-3p	-0.77393	0.8329	DOWN
gga-miR-460b-3p	-0.77393	0.76542	DOWN
gga-miR-6548-3p	-0.77393	0.71479	DOWN
gga-miR-6669-3p	-0.77393	0.8329	DOWN
novel_130	-0.77393	0.76542	DOWN
novel_198	-0.77393	0.8329	DOWN
novel_243	-0.77393	0.76542	DOWN
gga-miR-460a-5p	-0.75665	0.058421	DOWN

gga-miR-16-1-3p	-0.69993	0.5439	DOWN
gga-miR-365b-5p	-0.69147	0.25484	DOWN
gga-miR-1729-3p	-0.66146	0.41517	DOWN
gga-miR-6542-3p	-0.6484	0.53537	DOWN
gga-miR-18b-5p	-0.63191	0.48439	DOWN
gga-miR-21-3p	-0.62954	0.42464	DOWN
gga-miR-460b-5p	-0.61043	0.52597	DOWN
gga-miR-3539	-0.60401	0.61447	DOWN
gga-miR-148a-5p	-0.60146	0.15869	DOWN
gga-miR-3535	-0.5999	0.43375	DOWN
gga-miR-17-3p	-0.58129	0.3585	DOWN
gga-miR-6615-5p	-0.56243	0.60091	DOWN
gga-miR-140-3p	-0.54362	4.10E-45	DOWN
gga-miR-1782	-0.5109	0.80131	DOWN
gga-miR-3531-3p	-0.5109	0.80131	DOWN
gga-miR-3525	-0.49478	0.29862	DOWN
gga-miR-1563	-0.452	0.769	DOWN
gga-miR-23b-5p	-0.452	0.769	DOWN
novel_318	-0.452	0.769	DOWN
gga-miR-1329-5p	-0.44272	0.41987	DOWN
gga-miR-181b-1-3p	-0.42601	0.50742	DOWN
gga-miR-190a-3p	-0.42601	0.74032	DOWN
gga-miR-140-5p	-0.41393	2.40E-06	DOWN
gga-miR-1560-3p	-0.3906	0.52134	DOWN
gga-miR-1656	-0.35889	0.87657	DOWN
gga-miR-1805-3p	-0.35889	0.64124	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-193b-3p	-0.35284	0.093598	DOWN
gga-miR-205a	-0.3145	0.74063	DOWN
gga-miR-2188-5p	-0.31238	9.98E-05	DOWN
gga-miR-130a-3p	-0.28688	0.377	DOWN
gga-miR-1729-5p	-0.27861	0.16019	DOWN
gga-miR-103-3p	-0.27312	1.78E-30	DOWN
novel_297	-0.26578	0.26039	DOWN
gga-miR-10b-5p	-0.26542	0.00014095	DOWN
gga-miR-1397-5p	-0.25936	0.84477	DOWN
gga-miR-1668-3p	-0.25936	0.84477	DOWN
gga-miR-181a-3p	-0.25184	0.049666	DOWN
gga-miR-490-3p	-0.25166	1.05E-09	DOWN
gga-miR-29b-3p	-0.24927	0.34389	DOWN
gga-miR-24-5p	-0.24786	0.6099	DOWN
gga-miR-142-3p	-0.23656	0.13484	DOWN
gga-miR-146c-5p	-0.23273	2.56E-20	DOWN
gga-miR-27b-3p	-0.22593	1.22E-48	DOWN
gga-miR-153-3p	-0.22139	0.71008	DOWN
gga-miR-138-1-3p	-0.2145	0.77108	DOWN
gga-miR-1306-3p	-0.20456	0.52994	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-147	-0.16821	0.68831	DOWN
gga-miR-16c-5p	-0.15568	9.89E-08	DOWN
gga-miR-301b-3p	-0.15244	0.68355	DOWN
gga-miR-101-3p	-0.15178	6.46E-42	DOWN
gga-miR-1677-5p	-0.15008	0.66108	DOWN
gga-miR-101-2-5p	-0.1365	0.87163	DOWN
gga-miR-458b-5p	-0.13553	0.17563	DOWN
gga-miR-458a-3p	-0.13233	0.17828	DOWN
gga-miR-15b-5p	-0.12981	0.43932	DOWN
gga-miR-100-5p	-0.12937	3.22E-30	DOWN
gga-miR-138-2-3p	-0.12757	0.80171	DOWN
gga-miR-222b-3p	-0.12443	0.71124	DOWN
gga-miR-133b	-0.12298	0.0074985	DOWN
gga-miR-1451-3p	-0.12185	0.84748	DOWN
gga-miR-499-3p	-0.11578	0.00043789	DOWN
gga-miR-1306-5p	-0.10953	0.71953	DOWN
gga-miR-19b-3p	-0.09827	0.12477	DOWN
gga-miR-137-3p	-0.095859	0.91629	DOWN
novel_204	-0.095859	0.91629	DOWN
gga-miR-199-3p	-0.094851	7.94E-36	DOWN
gga-miR-15a	-0.090846	0.33797	DOWN
gga-miR-10a-3p	-0.085874	0.70066	DOWN
gga-miR-146b-3p	-0.084803	0.15882	DOWN
gga-miR-455-5p	-0.072207	0.29055	DOWN
gga-miR-30a-5p	-0.071705	1.88E-46	DOWN
gga-miR-1744-3p	-0.063437	0.89062	DOWN
gga-miR-107-3p	-0.063196	0.064064	DOWN
gga-miR-1451-5p	-0.051838	0.54605	DOWN
gga-miR-456-3p	-0.032493	0.44311	DOWN
gga-miR-10a-5p	-0.029916	9.10E-07	DOWN
novel_313	-0.029123	0.0041779	DOWN
gga-miR-1454	-0.026596	0.54003	DOWN
gga-miR-125b-5p	-0.02658	4.60E-13	DOWN
gga-miR-18a-5p	-0.02329	0.63518	DOWN
gga-miR-15b-3p	-0.014939	0.90514	DOWN
gga-miR-3538	-0.005256	0.87058	DOWN
gga-miR-15c-5p	-0.0035364	0.53403	DOWN
gga-miR-7	0.0036771	0.060296	UP
gga-miR-18a-3p	0.0036771	0.91126	UP
gga-miR-142-5p	0.0039728	0.39653	UP
gga-miR-29a-3p	0.0046828	0.64714	UP
gga-miR-29c-3p	0.0046828	0.64714	UP
gga-miR-3524a	0.0092581	0.8502	UP
gga-miR-1559-5p	0.01143	0.39467	UP
gga-miR-219a	0.012779	0.50752	UP
gga-miR-219b	0.012779	0.50752	UP
gga-miR-301a-3p	0.014565	0.89602	UP
gga-miR-130c-3p	0.019303	0.6121	UP
gga-miR-19a-3p	0.02271	0.55383	UP
gga-miR-21-5p	0.032061	4.12E-18	UP
gga-miR-133c-5p	0.033424	0.94471	UP
gga-miR-1747-5p	0.033424	0.94471	UP
gga-miR-99a-3p	0.057798	0.71536	UP
gga-miR-106-5p	0.070652	0.58409	UP

gga-miR-133c-3p	0.071336	0.0051589	UP
gga-miR-99a-5p	0.07462	1.21E-07	UP
gga-let-7b	0.075231	0.016746	UP
novel_257	0.077206	0.90523	UP
gga-let-7c-3p	0.088566	0.96134	UP
gga-miR-181b-2-3p	0.088566	0.96134	UP
gga-miR-206	0.088566	0.96134	UP
gga-let-7k-5p	0.091241	0.1949	UP
gga-miR-20b-5p	0.10092	0.69065	UP
gga-miR-148a-3p	0.10103	1.77E-14	UP
gga-let-7c-5p	0.10103	0.36629	UP
gga-miR-499-5p	0.10582	9.26E-94	UP
gga-miR-17-5p	0.10596	0.46025	UP
gga-miR-130b-5p	0.11079	0.79374	UP
gga-miR-20a-5p	0.11425	0.20593	UP
gga-miR-1781-3p	0.12985	0.96859	UP
gga-miR-218-5p	0.13658	0.20684	UP
gga-miR-30b-5p	0.13851	0.71423	UP
gga-miR-23b-3p	0.14719	0.84758	UP
gga-miR-135a-5p	0.15568	0.9916	UP
gga-miR-1a-1-5p	0.15896	0.99367	UP
gga-let-7i	0.15958	0.70169	UP
gga-miR-133a-3p	0.16465	0.80572	UP
gga-miR-26a-3p	0.17876	0.9911	UP
gga-miR-222a	0.18032	0.86545	UP
gga-let-7a-5p	0.19412	0.3624	UP
gga-miR-10b-3p	0.22607	0.9849	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	0.9849	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	0.9849	UP
gga-miR-183	0.22607	0.90312	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_150	0.22607	0.99128	UP
novel_191	0.22607	0.99128	UP
novel_238	0.22607	0.99128	UP

novel_251	0.22607	0.99128	UP
novel_358	0.22607	0.98767	UP
gga-miR-1677-3p	0.22729	0.70158	UP
gga-miR-221-3p	0.2315	0.48213	UP
gga-miR-144-5p	0.24925	0.6759	UP
gga-miR-30a-3p	0.25317	0.43766	UP
gga-miR-16-5p	0.25845	0.25315	UP
novel_36	0.26968	0.29344	UP
gga-let-7d	0.27069	0.78771	UP
gga-miR-301b-5p	0.27312	0.78835	UP
gga-miR-125b-3p	0.27406	0.54869	UP
gga-miR-6550-3p	0.27854	0.9131	UP
gga-miR-181b-5p	0.27943	0.19349	UP
gga-miR-130b-3p	0.28233	0.30643	UP
gga-miR-24-3p	0.28305	0.07157	UP
gga-miR-365-3p	0.28434	0.63471	UP
gga-miR-454-3p	0.28702	0.43172	UP
gga-miR-1786	0.28747	0.87745	UP
gga-miR-190a-5p	0.31683	0.80272	UP
gga-miR-490-5p	0.31722	0.78424	UP
gga-miR-30d	0.32013	2.27E-23	UP
gga-let-7g-5p	0.32376	3.15E-10	UP
gga-miR-6660-3p	0.32561	0.84486	UP
gga-miR-30c-2-3p	0.33305	0.19837	UP
gga-miR-2131-3p	0.34343	0.79567	UP
gga-miR-22-5p	0.35805	0.44873	UP
gga-miR-1b-3p	0.36119	1.00E-30	UP
gga-miR-106-3p	0.3698	0.68973	UP
gga-miR-146c-3p	0.37275	0.34504	UP
gga-miR-30c-1-3p	0.37511	0.040167	UP
gga-miR-22-3p	0.39789	3.27E-33	UP
gga-miR-214	0.41146	0.04196	UP
gga-miR-133a-5p	0.41632	9.04E-05	UP
gga-miR-26a-5p	0.42204	1.94E-92	UP
gga-miR-32-3p	0.42229	0.54265	UP
gga-miR-27b-5p	0.43599	0.63349	UP
gga-let-7a-3p	0.44397	0.3699	UP
gga-miR-128-3p	0.44424	1.80E-15	UP
gga-let-7f-5p	0.4444	4.43E-45	UP
gga-miR-301a-5p	0.44846	0.72204	UP
gga-miR-3531-5p	0.44846	0.89304	UP
gga-miR-184-3p	0.452	0.26182	UP
gga-miR-34a-5p	0.46638	0.45869	UP
gga-miR-146a-3p	0.46649	0.25643	UP
gga-miR-155	0.52052	0.47197	UP
gga-let-7j-3p	0.5222	0.53256	UP
gga-miR-146a-5p	0.54784	6.10E-06	UP
gga-miR-2188-3p	0.548	0.83053	UP
gga-miR-30e-3p	0.54861	8.53E-07	UP
gga-miR-221-5p	0.56081	0.0013061	UP
gga-miR-204	0.58611	0.34491	UP
gga-miR-181a-5p	0.60595	1.37E-38	UP
gga-miR-222b-5p	0.622	0.68978	UP
gga-miR-223	0.63785	0.08288	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-92-3p	0.6576	4.01E-78	UP
gga-miR-203a	0.66968	0.60995	UP
gga-miR-3523	0.68328	0.41975	UP
gga-miR-146b-5p	0.69072	1.75E-82	UP
gga-miR-375	0.70251	0.60006	UP
gga-miR-126-5p	0.70945	2.54E-29	UP
gga-miR-1569	0.7115	0.80339	UP
gga-miR-29b-2-5p	0.73303	0.61255	UP
gga-miR-187-3p	0.73626	0.50182	UP
gga-miR-1416-5p	0.74919	0.00044701	UP
gga-miR-130a-5p	0.75658	0.52775	UP
gga-miR-2131-5p	0.75894	0.23664	UP
gga-miR-1434	0.76664	0.68133	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	0.78866	UP
gga-miR-1456-5p	0.84756	0.60731	UP
gga-let-7f-3p	0.90414	0.54591	UP
gga-miR-29a-5p	0.90414	0.72734	UP
gga-miR-1662	0.92651	0.11404	UP
gga-miR-3529	1.0334	0.59595	UP
gga-miR-455-3p	1.1503	0.0039663	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-193a-3p	1.2261	0.73752	UP
gga-miR-3532-3p	1.2261	0.59618	UP
gga-miR-6544-3p	1.2261	0.63553	UP
gga-miR-6582-3p	1.4485	0.46534	UP
gga-miR-200b-3p	1.4834	0.0015968	UP
gga-miR-138-5p	1.548	0.64395	UP
gga-let-7a-2-3p	1.6184	0.32539	UP
gga-miR-6544-5p	1.6411	0.53916	UP
gga-miR-1684a-3p	1.6666	0.011213	UP
gga-miR-101-1-5p	1.811	0.68382	UP
gga-miR-1416-3p	1.811	0.68382	UP
gga-miR-1710	1.811	0.68382	UP
gga-miR-1727	1.811	0.68382	UP
gga-miR-6557-3p	1.811	0.68382	UP
gga-miR-6565-3p	1.811	0.68382	UP
gga-miR-6631-5p	1.811	0.68382	UP
gga-miR-200a-3p	1.8358	4.73E-08	UP
gga-miR-429-3p	1.9761	0.12613	UP
gga-miR-1707	2.2261	0.58358	UP
gga-miR-18b-3p	2.2261	0.58358	UP
gga-miR-215-3p	2.9265	0.24073	UP
gga-miR-200a-5p	3.0334	0.38004	UP

gga-miR-194	3.3252	4.11E-31	UP
gga-miR-1756a	3.548	0.25762	UP
gga-miR-122-3p	4.0674	0.013321	UP
gga-miR-122-5p	4.0852	7.79E-63	UP