

## 124 microRNA sequences present in equine fibroblasts (

ProbeID	Annotation	logFC	AvgExpr	AvgHy3	P.Value
146011	eca-let-7a	-0.7136409	0.02107266	10.0941503	4.8573E-08
145820	eca-let-7c	-0.629581	-0.0698642	9.46304098	1.7002E-07
145968	eca-let-7d	-0.5935999	-0.0007785	9.02883542	9.1979E-07
145846	eca-let-7e	-0.2850689	0.05712934	9.50944051	6.4753E-05
17752	eca-let-7f	-0.0523925	0.38838139	7.16383028	0.26624458
46438	eca-let-7g	-0.5697375	-0.0791835	7.92909526	4.2347E-07
145943	eca-miR-100	-0.6384087	-0.0545134	8.74395321	4.3079E-07
10919	eca-miR-103/eca-miR-107a	-0.4496199	0.06375487	8.71298913	2.3408E-06
169336	eca-miR-106a/eca-miR-17	-0.9797276	-0.2845629	6.87479385	1.1979E-08
19582	eca-miR-106b	-0.4516947	-0.2308506	7.43820006	2.6238E-05
10923	eca-miR-107b	-0.2607204	0.09803204	7.38827017	7.2567E-05
13485	eca-miR-10a	-0.4124395	0.20731153	6.02503556	4.7844E-05
10925	eca-miR-10b	-0.6634343	0.30128123	6.26140243	3.2096E-07
19583	eca-miR-122	0.30359321	2.34086802	7.55353985	0.01535667
46427	eca-miR-1248	0.37116344	1.25919759	7.05024822	5.8437E-06
10928	eca-miR-125a-5p	-0.0903831	0.05141733	11.5122629	0.06871861
30787	eca-miR-125b-5p	-0.328051	0.10122057	13.5274026	9.1676E-05
46732	eca-miR-1264	0.03271333	-0.1900471	6.49041261	0.4634329
42829	eca-miR-127	-2.1313943	-0.8364879	5.9164476	5.4503E-11
33902	eca-miR-128	-0.1624848	-0.0757003	6.38664877	0.00361913
46368	eca-miR-1282	0.06557257	1.40225316	6.34480578	0.5265951
168726	eca-miR-129a-3p	0.10246109	-0.2335613	6.67454831	0.04274243
148069	eca-miR-129b-3p	0.05097376	-0.0139157	6.19542455	0.34272364
10138	eca-miR-130a	-0.3862636	0.12014645	7.83925109	1.0368E-05
10937	eca-miR-132	-1.480891	-0.730781	5.81254986	5.1481E-09
168677	eca-miR-133a	-0.2506442	-0.4565115	5.87002458	0.0011673
42839	eca-miR-135a	-0.048614	0.99339225	5.96208565	0.5371946
42630	eca-miR-140-3p	-0.289402	-0.0680203	7.26804666	5.8394E-05
10947	eca-miR-142-3p	0.12107684	0.91692813	6.1848915	0.15100133
13177	eca-miR-143	-0.3904239	0.031386	10.101611	3.6404E-05
42641	eca-miR-145	-0.1298617	0.01622549	10.4860741	0.01473296
19585	eca-miR-148b-3p	-0.1611122	0.28025127	6.93007086	0.03278795
42810	eca-miR-149	-0.07612	0.84070082	6.20928699	0.28938712
145678	eca-miR-150	0.05647362	0.19074709	6.04155023	0.24174957
11260	eca-miR-151-5p	-0.4856342	-0.2145559	7.26161101	5.0721E-06
10964	eca-miR-155	-0.1701468	0.50468205	6.18441198	0.00594818
27720	eca-miR-15a	-0.4297384	0.29764033	7.77090893	6.7352E-06
17280	eca-miR-15b	-1.0011238	-0.0977258	9.33675533	2.8257E-09
10967	eca-miR-16	-0.8928369	-0.0288871	9.62984409	8.8388E-08
42865	eca-miR-181a	-1.2662224	-0.141378	8.21077351	2.9697E-10
10972	eca-miR-181b	-0.8697214	-0.2690451	6.50567951	3.5834E-09
18739	eca-miR-186	-0.0712194	0.31449597	6.45535985	0.12064413
145637	eca-miR-187	0.29255273	0.326835	6.81656779	0.00019579
146170	eca-miR-1902	0.60514023	0.05234747	6.47595961	1.2278E-06

27536	eca-miR-190a	0.02826435	0.91974826	6.00157365	0.81565239
10985	eca-miR-191	-0.4624215	-0.0370306	7.87345171	2.098E-06
10986	eca-miR-193a-3p	-0.1257144	-0.0838218	8.13363838	0.01236656
46443	eca-miR-193a-5p	-0.1237039	0.29995725	7.51498309	0.0143791
17729	eca-miR-193b	0.44649628	-0.0873969	7.44086451	1.6925E-06
42783	eca-miR-197	0.13215765	-0.1020566	7.44310044	0.00607302
29562	eca-miR-199a-5p	-0.8693992	-0.1198925	8.55793769	1.1408E-08
19591	eca-miR-199b-5p	-0.8935626	-0.0696361	8.69070397	3.4298E-09
10997	eca-miR-19a	-0.123076	0.2694855	5.99682076	0.03431725
10998	eca-miR-19b	-0.3625809	-0.012023	6.30836694	5.206E-06
11005	eca-miR-204b	-0.1638671	0.64428959	6.49160264	0.01134626
46917	eca-miR-205	0.02371688	0.71780527	5.99509947	0.75061764
145845	eca-miR-20a	-0.7188318	-0.0217797	6.7259394	3.4344E-08
145917	eca-miR-21	-0.3124572	-0.0803865	8.83919599	0.00064808
11014	eca-miR-214	-0.769866	-0.0687339	10.2181376	2.4744E-08
42509	eca-miR-219-5p	0.08144041	0.30150076	6.25849128	0.1018302
11020	eca-miR-22	-0.1010835	0.03607297	10.7777174	0.07999006
11022	eca-miR-221	-0.3182548	-0.0154771	10.6581708	7.7058E-05
11023	eca-miR-222	-0.4528624	0.03398951	11.3205591	1.1769E-05
11024	eca-miR-223	0.09338767	-0.0266345	6.05565246	0.32995063
42566	eca-miR-224	0.07096952	0.03591806	7.50237013	0.09891304
42744	eca-miR-23a	-0.8488379	-0.0789722	11.9808379	3.9791E-08
145841	eca-miR-23b	-0.8160422	-0.0063071	12.3741823	2.3681E-08
17506	eca-miR-24	-0.8447148	-0.0093056	11.136608	1.8815E-06
42682	eca-miR-25	-0.7320524	0.00041214	7.26667346	1.5685E-08
147198	eca-miR-26a	-0.5687405	-0.0856973	8.25971577	9.6004E-06
46483	eca-miR-27a	-0.7484864	-0.2407054	8.12350985	6.4068E-08
147199	eca-miR-27b	-0.4714574	0.06390211	8.50396274	1.5604E-06
145714	eca-miR-28-3p	-0.0954758	0.0221428	6.38543039	0.06460328
168966	eca-miR-28-5p	-0.1708524	-0.1748053	7.15121154	0.00257664
11039	eca-miR-29a	-0.2875244	-0.0329102	10.4867329	0.00043018
11040	eca-miR-29b	0.11030301	0.02344232	6.52080802	0.02477418
11041	eca-miR-29c	-0.2939021	-0.5669308	5.97005213	0.00054894
168585	eca-miR-30b	-0.4751023	-0.0499456	8.63457681	1.1286E-06
42923	eca-miR-30c	-0.4534273	-0.1032794	8.53408878	6.2E-06
19596	eca-miR-30d	-0.3805538	-0.005652	7.25716299	6.7703E-06
11052	eca-miR-31	-0.5520697	0.0378262	8.180892	8.6927E-06
145708	eca-miR-324-3p	-0.1319064	0.37212082	5.96933921	0.00854496
42693	eca-miR-326	0.11230164	0.82072419	6.26137561	0.07407994
145640	eca-miR-328	-0.0128533	0.11972177	6.13164196	0.80000648
42887	eca-miR-331	-0.1174085	-0.0007952	7.33780358	0.01528206
17825	eca-miR-338-5p	0.08117095	0.19804168	6.01741728	0.09204799
29872	eca-miR-340-5p	0.07428024	0.00060986	6.15676808	0.13780777
32884	eca-miR-342-3p	-0.4681807	-0.1449155	8.03027123	1.6342E-06
27217	eca-miR-34a	0.08617702	0.01939906	7.55410051	0.12906041
42724	eca-miR-34b-3p	0.1961639	-0.0952599	11.0603053	0.00250233

14301	eca-miR-361-5p	0.20254156	0.39049362	7.90025777	0.00116126
42503	eca-miR-362-5p	0.04460156	0.29830864	6.95195844	0.41241757
145844	eca-miR-374a	0.05134144	0.00868004	6.93568783	0.29380437
148098	eca-miR-374b	0.03776744	-0.3621622	6.20537191	0.41943053
11105	eca-miR-378	-0.5734983	-0.3121928	6.77653952	0.00081863
145643	eca-miR-382	-0.5336756	0.17189217	5.91218498	3.4547E-07
11240	eca-miR-409-3p	-1.1704155	-0.2126418	5.82898737	2.3882E-08
42730	eca-miR-423-3p	-0.3546639	-0.0802131	7.83717154	1.5518E-05
27565	eca-miR-423-5p	-0.1387595	0.03632106	8.44786256	0.01251558
42965	eca-miR-424	0.12709259	0.50348916	6.31187228	0.04213178
145705	eca-miR-431	-0.254669	1.09737651	6.04501377	0.13207215
11111	eca-miR-432	-0.7325353	0.37956542	6.64155316	5.1424E-07
42694	eca-miR-485-3p	-0.5309387	-0.2293964	6.24661456	1.7652E-05
32946	eca-miR-486-5p	0.01577059	0.84247168	5.98939536	0.79476818
14285	eca-miR-487b	-0.7780648	-0.031661	5.83567959	1.3294E-07
145928	eca-miR-491-3p	-0.1430149	0.06995738	9.51817614	0.00776563
42540	eca-miR-494	-0.0640635	-0.0844514	8.58930749	0.4107069
145692	eca-miR-499-3p	-0.1583596	-0.3641764	6.36671631	0.05021959
17875	eca-miR-500	-0.0171006	-0.0257669	6.46139891	0.72340397
146178	eca-miR-502-3p	0.01603489	-0.003121	7.07283177	0.69209474
14288	eca-miR-503	-0.1281593	-0.232714	7.01671085	0.00996108
42669	eca-miR-505	-0.1549414	0.09753203	6.78110266	0.00652198
42732	eca-miR-532-3p	0.22170642	-0.0294013	6.31012838	0.0008911
17624	eca-miR-532-5p	0.0399177	0.19942235	6.11522676	0.45226451
14272	eca-miR-542-3p	0.12264898	0.08714435	5.99679895	0.02550189
42827	eca-miR-652	-0.1358003	-0.0681865	5.84684966	0.01976023
29490	eca-miR-7	-0.0306061	0.52199264	6.07658599	0.58535761
146111	eca-miR-767-5p	0.16662002	-0.0316398	10.0248483	0.00955233
145693	eca-miR-92a	-0.3774794	-0.0935551	7.76120112	0.00196653
145884	eca-miR-92b	-0.1569321	0.0318509	6.58118902	0.11389727
30687	eca-miR-93	-0.8257828	-0.0045878	7.89161994	1.9398E-08
11182	eca-miR-98	-0.1441809	0.2748029	7.9730902	0.00685259
42708	eca-miR-99a	0.34948756	-0.3568275	6.77502403	8.6289E-06
11184	eca-miR-99b	-0.024943	-0.0311837	9.31058017	0.57536852

***in silico* predicted by Zhou et al. , 2009)**

adj.P.Val	EqPalF-1	EqPalF-2	EqPalF-3	S6-2-1	S6-2-2	S6-2-3
9.0637E-07	0.39437491	0.35504934	0.38425504	-0.2869937	-0.3440582	-0.3761915
2.4603E-06	0.1890387	0.25049366	0.29524662	-0.3523156	-0.3992341	-0.4024142
8.8732E-06	0.29782661	0.27136252	0.31887501	-0.207294	-0.3712186	-0.3142229
0.00030055	0.20148126	0.19449014	0.20302	-0.0308875	-0.0991746	-0.1261533
0.34888504	0.48430419	0.38441629	0.37501249	0.35130372	0.39861043	0.33664123
5.2988E-06	0.24006607	0.16419709	0.21279262	-0.3287829	-0.3437854	-0.4195885
5.2988E-06	0.2614785	0.22869996	0.3038942	-0.292692	-0.4383136	-0.3901478
1.7981E-05	0.30870156	0.2338396	0.32315323	-0.1289277	-0.1671512	-0.1870863
3.7035E-07	0.28523456	0.18782053	0.14284764	-0.7528953	-0.8050412	-0.7653434
0.00013173	0.02663148	0.0672695	-0.1089107	-0.4219096	-0.5308815	-0.4173027
0.00033058	0.19913875	0.22737298	0.25866499	-0.0277075	-0.0444845	-0.0247925
0.00023306	0.31426376	0.49976886	0.42656115	-0.0516529	0.06360757	-0.0086792
4.5117E-06	0.61789864	0.63646335	0.64463316	0.00547426	-0.1249708	0.0281888
0.03215099	1.97338389	2.15704564	2.43678472	2.49386127	2.55537533	2.4287573
3.9385E-05	1.07340106	1.09890212	1.04854442	1.45956672	1.40995131	1.46481988
0.11422147	0.10594628	0.07629436	0.10758605	0.078516	-0.0173018	-0.042537
0.00039565	0.31078889	0.20544573	0.27950362	0.00701927	-0.0741316	-0.1213025
0.54287854	-0.1789648	-0.1843727	-0.2558737	-0.1628199	-0.1347501	-0.2235013
1.3408E-08	0.25116784	0.31726929	0.11919067	-1.859925	-1.951416	-1.8952141
0.00937163	0.03343698	0.01816217	-0.0349728	-0.1305827	-0.1342355	-0.2060098
0.6011248	1.6174865	1.2197816	1.27113251	1.38324845	1.37341088	1.548459
0.07544529	-0.2707544	-0.2625774	-0.3210438	-0.2035146	-0.1350424	-0.2084353
0.42155008	0.03285798	-0.0703801	-0.0806856	-0.0585995	0.08164674	0.01166641
6.0728E-05	0.35461952	0.33502749	0.25018776	-0.0394015	-0.0876444	-0.0919102
2.7897E-07	0.07026086	0.10855448	-0.1498216	-1.4420559	-1.4952253	-1.4763983
0.00356717	-0.2391784	-0.3228575	-0.4315324	-0.5463162	-0.5941879	-0.6049968
0.61039201	1.18815552	1.01658978	0.84835238	0.95106848	0.99435129	0.96183605
0.00027362	0.10008834	0.10447206	0.02548174	-0.187497	-0.2289391	-0.2217277
0.21659666	0.94782275	0.80772053	0.81362584	1.13196727	0.82018116	0.98025121
0.00017911	0.21460223	0.19072242	0.27446919	-0.0676726	-0.2114026	-0.2124026
0.03124403	0.08840878	0.09681434	0.05824593	0.01650597	-0.0616947	-0.1009274
0.06087423	0.30594292	0.36615996	0.41031923	0.32529377	0.07537839	0.19841334
0.3702883	0.80680736	0.85161533	0.97785971	0.66715919	0.86146094	0.87930237
0.32408934	0.12582574	0.22952983	0.13217526	0.1828579	0.26632901	0.2077648
2.8664E-05	0.06672553	0.01736289	0.00069496	-0.4470207	-0.4461883	-0.4789101
0.01448765	0.56316269	0.6606093	0.54549438	0.47593459	0.40754772	0.37534363
4.1725E-05	0.49369732	0.50458902	0.5392422	0.14223408	0.00796664	0.0981127
2.2038E-07	0.42889597	0.36051468	0.41909772	-0.5519893	-0.6369672	-0.6059066
1.4028E-06	0.47971869	0.33444497	0.43843037	-0.3830439	-0.5189667	-0.5239061
3.6527E-08	0.49484588	0.49774636	0.4826074	-0.7193294	-0.7852628	-0.8188754
2.2038E-07	0.1890586	0.16004518	0.14834304	-0.701949	-0.7275389	-0.6822295
0.18041614	0.29455182	0.39171887	0.36404629	0.30634747	0.27694206	0.25336934
0.00075849	0.16133042	0.20450078	0.17584471	0.43339654	0.42124747	0.56469008
1.1397E-05	-0.236154	-0.206205	-0.308309	0.36764975	0.42848045	0.26862255

0.85201905	1.137401	0.96623843	0.61320881	0.99594277	0.81411141	0.99158712
1.6711E-05	0.24909804	0.19325124	0.14019135	-0.2427593	-0.2739026	-0.288062
0.02716226	0.0143324	-0.048946	-0.0282804	-0.1072382	-0.1504606	-0.1823383
0.03062562	0.30654238	0.37264877	0.40623645	0.22375817	0.23866191	0.2518958
1.4609E-05	-0.335971	-0.2876511	-0.3083131	0.10858626	0.11731441	0.18165291
0.01461755	-0.1386487	-0.1725159	-0.1932416	-0.0381794	-0.0423404	-0.0274134
3.7035E-07	0.36999311	0.29709583	0.27733228	-0.5721677	-0.5790628	-0.5125458
2.2038E-07	0.39527737	0.38001372	0.35614437	-0.4881443	-0.5497046	-0.5114034
0.06323628	0.35903617	0.30585744	0.32817695	0.21342427	0.12147244	0.28894571
3.6076E-05	0.18135704	0.17357769	0.15286782	-0.1800901	-0.1773281	-0.222522
0.02514576	0.76893836	0.68409406	0.72563694	0.6150357	0.60859135	0.4634411
0.80458362	0.82363391	0.60592301	0.68828355	0.59810524	0.76312802	0.82775786
7.0405E-07	0.38873017	0.31968951	0.30448886	-0.3903269	-0.3941379	-0.3591221
0.00200915	0.11554207	0.05860085	0.05338323	-0.1441542	-0.2876774	-0.2780137
5.7971E-07	0.36951622	0.27810325	0.30097776	-0.4218713	-0.4713744	-0.4677551
0.15854575	0.29139858	0.26148398	0.22945909	0.27878377	0.4053666	0.34251253
0.12945759	0.10758593	0.03581611	0.11644209	0.07080019	-0.0171513	-0.0970552
0.00034155	0.11200474	0.11164935	0.20729677	-0.1216222	-0.2225909	-0.1796003
6.7006E-05	0.29756782	0.17883974	0.3048546	-0.1229667	-0.2442762	-0.2100822
0.41201957	-0.1943105	-0.1222125	0.09653795	0.15391721	0.04825994	-0.1419992
0.15498476	-0.0051434	-0.0371873	0.04363063	0.0693406	0.07165565	0.0732122
7.5958E-07	0.36756551	0.2850099	0.38376473	-0.4316117	-0.5218124	-0.5567494
5.5312E-07	0.42288592	0.37754244	0.40471363	-0.3521097	-0.4301238	-0.4607512
1.5429E-05	0.48616667	0.28877113	0.46421764	-0.2787023	-0.5024458	-0.513841
4.5395E-07	0.37906348	0.346849	0.37340253	-0.3357892	-0.3807005	-0.3803525
5.219E-05	0.2145015	0.17165534	0.2098619	-0.2876809	-0.4569348	-0.3655871
1.1447E-06	0.17403276	0.05843027	0.16815047	-0.5914792	-0.6071392	-0.6462272
1.2665E-05	0.31381167	0.27560679	0.30947394	-0.1755921	-0.1810056	-0.158882
0.10811161	0.11722893	0.0674685	0.02494465	0.03880365	-0.0489449	-0.066644
0.00706553	-0.0697016	-0.0742474	-0.1241885	-0.2513643	-0.2515039	-0.2778264
0.00149917	0.13669546	0.07006581	0.12579466	-0.0818502	-0.2393678	-0.2087992
0.04816403	-0.0419976	-0.0317322	-0.0213978	0.13668587	0.03508131	0.06401431
0.00194301	-0.3386486	-0.3848	-0.5364906	-0.6798822	-0.7520908	-0.7096726
1.0381E-05	0.20221207	0.15403976	0.20656492	-0.2751429	-0.2948849	-0.2924624
4.1062E-05	0.15241509	0.07425945	0.14362822	-0.2613438	-0.331497	-0.3971385
4.1725E-05	0.16095818	0.18584858	0.20706791	-0.1579284	-0.2431473	-0.186711
5.1528E-05	0.33257934	0.29471003	0.31429379	-0.1192995	-0.3633534	-0.231973
0.01983076	0.44692904	0.43922775	0.42806523	0.25909919	0.3149548	0.3444489
0.12108747	0.64113862	0.8239457	0.8286358	0.865407	0.90419227	0.86102577
0.83923921	0.07193815	0.22272977	0.08377733	0.08273504	0.13817236	0.118978
0.03213152	0.04587685	0.09631155	0.03153894	-0.0892875	-0.0560568	-0.033154
0.14751665	0.20159448	0.15160743	0.11916672	0.18343183	0.26217136	0.27027827
0.20119116	0.00348801	-0.1154979	0.00241908	0.04831088	0.00517362	0.05976545
1.4357E-05	0.12032384	0.10069597	0.04650465	-0.3353238	-0.3866692	-0.4150245
0.18555556	-0.0228397	-0.0353594	-0.0128692	0.1310345	0.01346232	0.0429659
0.00695563	-0.1682515	-0.2595703	-0.1522039	0.04864661	0.01667988	-0.0568605

0.00356717	0.25475503	0.27259953	0.34031397	0.5193342	0.44161256	0.51434643
0.49130616	0.28755021	0.2033497	0.33712367	0.4012323	0.27083235	0.2897636
0.37351873	0.00171854	-0.0667001	0.01400951	0.09145212	-0.0325323	0.04413249
0.49845367	-0.3379167	-0.3539314	-0.4512897	-0.3159282	-0.3312637	-0.3826436
0.00231423	0.06349769	0.04139879	-0.1812274	-0.5862947	-0.5991631	-0.6113679
4.7018E-06	0.48360029	0.40114604	0.43144362	-0.1058714	-0.0982146	-0.080751
5.3608E-07	0.41473213	0.41073558	0.29222997	-0.7669454	-0.8923718	-0.7342316
8.4834E-05	0.15990395	0.06422212	0.06723065	-0.2438798	-0.2576867	-0.2710685
0.02732461	0.06624577	0.07912869	0.17172798	0.00319702	-0.0735796	-0.0287934
0.07483334	0.37660387	0.40323731	0.53998742	0.55184576	0.62722082	0.52203979
0.19396865	1.30714403	1.52199936	0.84498962	0.79966413	0.99479447	1.11566744
5.7681E-06	0.76206587	0.72081603	0.75461736	-0.0858581	-0.005192	0.13094334
9.4397E-05	0.0755907	0.13257235	-0.0999442	-0.4919132	-0.4410222	-0.5516619
0.83552553	0.81155098	0.90130742	0.79090077	0.90263014	0.91950158	0.72893921
1.982E-06	0.36226486	0.38636355	0.32348584	-0.32497	-0.4978232	-0.4392869
0.01803825	0.13836314	0.09825503	0.18777638	0.01334612	-0.0032754	-0.014721
0.45453366	-0.1297862	0.03655687	-0.0640295	-0.0963568	-0.0986358	-0.1544568
0.08657484	-0.1783745	-0.229643	-0.4469723	-0.4203841	-0.4620469	-0.4476378
0.7839532	-0.043121	0.03724325	-0.045772	0.018237	-0.1053746	-0.0158141
0.75334206	0.01365086	-0.0337104	-0.0133559	0.03193494	0.02177424	-0.0390199
0.02242545	-0.1191264	-0.1888584	-0.1979182	-0.3061115	-0.299794	-0.2844752
0.01557676	0.13337217	0.16706423	0.22457183	0.05131655	-0.0351345	0.04400191
0.00284688	-0.2015976	-0.1078859	-0.111128	0.12342742	0.09260682	0.02832144
0.53488976	0.16940224	0.18878666	0.18020161	0.31381593	0.21725542	0.12707226
0.04920365	0.03636797	0.07311506	-0.0320235	0.2006473	0.14866452	0.0960947
0.04000836	-0.03096	0.05831543	-0.0282146	-0.0848497	-0.1137866	-0.2096237
0.65010371	0.60680228	0.47206374	0.5330211	0.45130944	0.46946755	0.59929175
0.02175808	-0.0657544	-0.173641	-0.105454	0.10253532	0.08670806	-0.0342327
0.00483787	0.10720005	0.12529376	0.05305996	-0.2522037	-0.304758	-0.2899227
0.15599078	0.11179792	0.05049739	0.16865553	-0.013286	-0.0924503	-0.0341092
5.0229E-07	0.42542263	0.36575983	0.43372837	-0.4067995	-0.4729659	-0.3726721
0.01620901	0.32877171	0.34451237	0.36739594	0.26068492	0.16575902	0.18169341
5.1528E-05	-0.5117838	-0.5145888	-0.5683411	-0.1722336	-0.1712974	-0.2027201
0.64336662	0.03411919	-0.0626679	-0.0275879	-0.0063376	-0.0384414	-0.0861867