

miRNAs	Sequence	BL	EP	SS	HA	FF	EM	CM	JU
let-7a	UGAGGUAGUAGGUUGUAUAGUU	3	64	44	64	1888	2612	2041	2107
let-7b	UGAGGUAGUAGGUUGUGUGGUU	4	14	6	2	105	238	226	323
let-7c	UGAGGUAGUAGGUUGUAUGGUU	6	19	20	16	383	396	270	311
let-7d	UGAGGUAGUUGGUUGUAUGGUU	2	2	2	6	1048	1283	611	642
let-7e	UGAGGUAGUAGAUUGAAUAGUU	1	9	1	2	163	354	367	428
let-7f	UGAGGUAGUAGAUUGUAUAGUU	1	4	1	1	43	281	261	324
let-7g	UGAGGUAGUAGUUUGUAUAGUU	6	10	36	41	668	973	751	754
let-7h	UGAGGUAGUAAGUUGUGUUGUU	0	0	0	1	50	180	149	230
let-7i	UGAGGUAGUAGUUUGUGCUG	0	10	6	8	324	488	413	485
let-7j	UGAGGUAGUUGUUUGUACAGUU	5	7	18	20	836	1618	949	1160
miR-1	UGGAAUGUAAAAGAAGUAUGUAU	10	9	2891	19587	35624	33792	32242	32339
miR-100	AACCCGUAGAUCCGAACUUGUG	10	61	54	315	4119	2577	2534	2570
miR-101a	UACAGUACUGUGUAUACUGAAG	0	2	4	9	354	218	121	106
miR-101b	GUACAGUACUAUGUAUACUGAA	0	11	73	124	772	724	461	386
miR-103	AGCAGCAUUGUACAGGGCUAUGA	15	61	2350	4185	25871	8274	5542	7265
miR-107	AGCAGCAUUGUACAGGGCUAUGA	3	43	922	1536	6439	2655	1965	2527
miR-107b	AGCAGCAUUGUACAGGGCUUUCAG	1	2	52	106	539	166	103	149
miR-10a	UACCCUGUAGAUCCGAAUUGU	1	2	12	16	31	8	3	4
miR-10b-1	UACCCUGUAGAACCGAAUUGU	6	5	2237	2953	4999	1240	1146	930
miR-10c	UACCCUGUAGAUCCGAAUUGU	5	3	1034	1667	3091	974	994	761
miR-10d	UACCCUGUAGAACCGAAUGUGU	4	8	5276	6530	10600	2155	1695	1411
miR-122	UGGAGUGUGACAAUGGUUUUG	2	6	64	95	1938	3451	4321	4681
miR-124	UAAGGCACGCGGUGAAUGCCA	24	259	827	3320	37905	12190	6313	5640
miR-125a	UCCCUGAGACCCUUAACUGUGA	14	45	44	165	8576	4576	4302	3922
miR-125b	UCCCUGAGACCCUUAACUGUGA	25	142	175	1018	17171	8820	8172	7781
miR-125c	UCCCUGAGACCCUUAACUGUGA	3	16	25	86	1722	808	939	639
miR-126	UCGUACCGUGAGUAAUAAUG	5	8	314	564	3002	2641	2144	2310
miR-126*	CAUUAUUACUUUUGGUACGCG	2	9	424	915	2373	2195	1633	1898
miR-126b	UCGUACCGUGAGUAAUAGUGCA	0	4	71	124	769	472	461	397
miR-128	UCACAGUGAACCGGUCUCUUU	5	39	192	302	1378	619	670	480
miR-129	CUUUUUGCGGUCUGGGCUUG	0	2	5	20	558	86	88	76
miR-129*	AAGCCCUUACCCCAAAAAGCAU	5	46	34	60	2427	776	618	471
miR-130a	CAGUGCAAUGUAAAAGGGCAU	0	4	12	48	123	65	17	67
miR-130b	CAGUGCAAUAAUGAAAGGGCAU	6	81	3020	7933	12362	5699	2893	5316
miR-130c	CAGUGCAAUAAUAAAAGGGCAU	148	3173	27830	77044	93055	51054	20644	42077
miR-132	UACAGUCUACAGCCAUGGU	1	8	7	17	633	134	114	73
miR-132*	ACCGUGGCAUUAGAUUGUUACU	0	0	0	0	47	28	9	22
miR-133a	UUUGGUCCCCUUAACCCAGCU	0	0	416	2009	2419	3363	3735	3673
miR-133a*	AGCUGGUAAAUGGAACCAAA	5	4	3647	17469	4826	12185	11944	13509
miR-133b	UUUGGUCCCCUUAACCCAGCU	1	5	1891	2632	2283	2870	2754	2355
miR-133b*	GGCUGGUCAAAUGGAACCAA	0	38	1846	1040	185	246	152	226
miR-133c	UUUGGUCCCCUUAACCCAGCUA	0	0	0	5	5	7	3	2
miR-135a	UAUGGCUUUUUUUAUCCUAUGUGA	1	13	44	112	2378	511	419	341
miR-135b	UAUGGCUUUUUUUAUCCUAUCUG	0	2	17	41	617	125	97	83
miR-135c	UAUGGCUUUCUAUCCUAUGUGA	0	7	46	68	2655	717	538	389
miR-137	AUUGCUUAAGAAUACGCGUAG	0	1	13	70	1047	290	201	175
miR-138	AGCUGGUGUUGUGAAUCAGGCCG	12	54	452	1271	10462	4482	3894	3386
miR-1388	AUCUCAGGUUCGUCAGCCAUUG	0	0	1	6	16	41	34	46
miR-1388*	cGGACUGUCCAACCUGAGAAUG	0	0	2	1	3	9	3	7
miR-139	UCUACAGUGCAUGUGUCUCCAGU	1	2	484	374	534	172	169	111
miR-140	CAGUGGUUUUACCCUAUGGUAG	3	0	95	300	2907	3545	2272	1987
miR-140*	UACCACAGGGUAGAACCACGGAC	6	21	694	923	9349	7765	6087	6772
miR-141	UACACUGUCUGGUAAACGAUGC	0	49	255	410	706	797	647	586
miR-142a-3p	UGUAGUGUUUCCUACUUUAUGG	0	0	0	7	42	241	75	140
miR-142b-5p	GUAGACAGCACUACUAAACU	0	0	0	1	2	43	9	32

miR-143	UGAGAUGAAGCACUGUAGCUC	2	7	46	123	1073	1778	1129	1436
miR-144	CUACAGUAUAGAUGAUGUACUA	0	0	0	0	0	8	10	9
miR-145	GUCCAGUUUCCCAGGAAUCCCU	58	64	348	494	4267	4657	5053	4543
miR-146a	UGAGAACUGAAUCCAUGAUGG	1	6	41	49	413	1677	1097	1191
miR-146b	UGAGAACUGAAUCCAAGGGUG	0	0	0	0	2	36	19	34
miR-148	UCAGUGCAUUACAGAACUUUG	3	8	1023	1916	3876	5121	3852	3130
miR-150	aCUCCCAAUCCUUGUACCAGUGU	0	1	1	0	3	209	213	231
miR-152	UCAGUGCAUaACAGAACUUUG	1	4	92	214	401	569	440	411
miR-153a	UUGCAUAGUCACAAAAGUGAUCAU	0	6	29	152	903	425	274	250
miR-153b	UUGCAUAGUCACAAAAAUGAGCA	0	0	4	24	253	105	75	82
miR-153c	UUGCAUAGUCACAAAAAUGAUCA	0	0	10	26	77	30	33	21
miR-15a	UAGCAGCACgGAAUGGUUUUGU	6	34	301	427	1404	1030	614	592
miR-15b	UAGCAGCGCAUCAUGGUUUUGaA	19	135	968	1229	2518	1816	1570	1174
miR-16a	UAGCAGCACGUAAAUAUUGG	4	13	94	98	261	146	122	133
miR-16b	UAGCAGCACGUAAAUAUUGGAG	18	132	855	1091	1811	1017	803	847
miR-16c	UAGCAGCAUGUAAAUAUUGGAG	0	0	0	1	5	0	1	0
miR-1788	GGCUUGUUUUAAGUUGCCUGCG	1	0	34	44	86	81	58	98
miR-1788*	CAGGCAGCUAAAGCAAGUCU	0	0	51	90	380	497	444	423
miR-17a	CAAAGUGCUUACAGUGCAGGUA	55	2427	11300	16083	24420	17223	11956	12803
miR-17a*	ACUGCAGUGGAGGCACUUacAGCAgU	1	62	32	25	13	6	7	4
miR-181a	AACAUUCAACGCUGUCGGUGAGUUU	9	50	1890	3994	20104	8589	6643	6166
miR-181a*	ACCAUCGACCGUUGAUUGUACC	8	125	2079	3527	10051	7037	4964	6020
miR-181b	AACAUUCAUUGCUGUCGGUGGGUU	1	8	1384	3210	7088	3593	2860	2685
miR-181c	aACAUUCAUUGCUGUCGGUGGGUUUU	0	0	16	106	91	26	38	42
miR-182	UUUGCAAUGGUAGAACUCACACU	1	2	121	223	2822	478	463	373
miR-182*	UGGUUCUAGACUUGCCAACUA	0	0	18	40	1018	230	144	96
miR-183	UAUGGCACUGGUAGAAUUCACUG	0	1	146	237	3274	630	479	425
miR-184	UGGACGGAGAACUGAUAAGGGC	0	4	2330	2550	2010	859	606	875
miR-187	UCGUGUCUUGUGUUGCAGCCAGU	0	15	37	70	452	142	103	104
miR-18a	UAAGGUGCAUCUAGUGCAGAUAG	36	408	2972	4838	5946	4408	2707	2630
miR-18b	UAAGGUGCAUUUAGUGCAGAUAG	0	3	1	8	4	1	0	0
miR-18c	UAAGGUGCAUCUaGUGUAGUUA	0	7	209	378	401	66	36	33
miR-190	UGAU AUGUUUGAU AUUAGGUUG	0	1	72	129	364	205	150	130
miR-190b	UGAU AUGUUUGAU AUUCaGUU	0	1	13	15	1262	190	111	132
miR-192	AUGACCUAUGAAUUGACAGCC	13	18	466	1641	23915	41532	35340	42588
miR-193a	AACUGCCUACAAAGUCCCA	0	0	4	20	245	277	207	189
miR-194a	UGU AACAGCAACUCCAUGUGGAA	0	1	36	108	972	2569	1431	1632
miR-194b	UGU AACAGCauCUCCAUGUGGAA	0	0	0	0	1	16	7	8
miR-196a-1	UAGGUAGUUUCAUGUUGUUGGG	0	0	452	346	482	280	173	205
miR-196b	UAGGUAGUUUCAAGUUGUUGGG	0	1	131	81	68	22	20	13
miR-199	CCCAGUGUUCAGACUACCUGU	9	28	382	1951	30290	43557	29483	30982
miR-199*	UACAGUAGUCUGCACAUUGGUUA	1	17	483	1319	12950	15943	11195	8650
miR-19a	UUGUGCAAUUCU AUGCAAACUG	12	559	3371	6574	14359	10542	5414	5212
miR-19a*	AGUUUUGCAUAGUUGCACUA	0	120	114	215	120	76	40	58
miR-19b	UGUGCAAUCCAUGCAAACUG	137	4345	14791	25100	52358	33731	17202	19109
miR-19b*	AGUUUUGCUGGUUUGCAUUCAG	1	42	16	14	38	9	3	9
miR-19c	UGUGCAAUCCAUGCAAACUCG	9	146	512	973	2538	1376	764	861
miR-19d	UGUGCAAACCCAUGCAAACUGA	112	703	6320	11299	18300	9979	6845	7154
miR-200a	UAACACUGUCUGGUAACGAUGU	2	105	762	1350	3631	3684	2686	2864
miR-200b	UAAUACUGCCUGGUA AUGAUGAU	0	55	1229	1230	1878	1096	1015	1077
miR-200c	UAAUACUGCCUGGUA AUGAUGCA	0	2	54	53	69	45	39	37
miR-202*	UUCCU AUGCAU AUACCUCUUU	2	17	3	1	6	7	6	6
miR-203a	UGUGAAAUGUUUAGGACCACUUG	26	2793	26072	28459	30369	11762	13055	12570
miR-203b	GUGAAAUGUUCAGGACCACUUG	0	0	3	2	6	2	1	2
miR-203b*	AGUGGUUCU AACAGUUCAACA	3	1467	2710	1875	1987	1188	1036	926
miR-204	UUUCCCUUGUCAUCCU AUGCCU	4	12	361	970	9854	3533	3008	2256

miR-205	UCCUUCAUCCACCGGAGUCUG	15	259	18761	17721	11936	6328	10351	7229
miR-206	UGGAAUGUAAGGAAGUGUGUGG	6	40	13201	20602	15572	24216	15016	21359
miR-20a	UAAAGUGUCUUAUAGUGCAGGUAG	18	798	3468	5911	6760	4428	3082	2978
miR-20a*	ACUGCAGUGUGAGCACUUGAAGU	0	214	96	53	129	57	43	40
miR-20b	CAAAGUGCUCACAGUGCAGGUA	1	29	449	709	568	147	155	212
miR-21	UAGCUUAUCAGACUGGUGUUGGC	15	287	1830	1252	7790	6044	5537	3552
miR-210	CUGUGCGUGUGACAGCGGCUAACCC	2	13	27	72	2481	6850	5447	5932
miR-210*	AGCCACUGACUAACGCACAUAUG	2	19	68	117	1420	3201	3480	4073
miR-212	UACAGUCUACAGUCAUGGCUAC	0	4	0	4	387	104	55	47
miR-214	UACAGCAGGCACAGACAGGCA	0	3	113	547	4317	4759	3302	4812
miR-216a	UAAUCUCAGCUGGCAACUGUGAG	0	0	5	34	91	76	73	74
miR-216b	UAAUCUCUGCAGGCAACUGUGA	1	7	41	183	1033	458	187	217
miR-217	UACUGCAUCAGGAACUGAUUGG	15	13	43	115	1167	505	386	351
miR-2184	AACAGUAAGAGUUUAUGUGCUG	0	2	1	0	293	465	321	381
miR-2188	AAGGUCCAACCUCACAUGUCCU	2	11	112	204	3892	838	705	575
miR-218a	UUGUGCUUGAUCUAACCAUGUG	4	16	768	1310	7739	2446	2282	1997
miR-218b	UUGUGCUUGAUCUAACCAUGCA	2	4	195	608	8810	1942	1211	1193
miR-219	UGAUUGUCCAACCGAAUUCUU	0	3	11	84	62	103	40	44
miR-221	ACCUGGCAUACAAUGUAGAUU	1	6	806	1133	2638	949	961	640
miR-222	AGUCAUCUCUGGCUACUGGGUCUC	1	6	975	1413	2111	579	648	583
miR-223	UGUCAGUUUGUCAAAUACCCCAA	3	9	73	226	834	997	1180	1389
miR-22a	AAGCUGCCAGCUGAAGAACUGU	35	55	1993	4505	15887	18675	12814	13107
miR-22b	AAGCUGCCAGUUGAAGAGCU	0	0	8	33	134	139	78	91
miR-23a	AUCACAUUGCCAGGGAUUUGCA	3	1	249	371	1506	1966	2365	2351
miR-23b	AUCACAUUGCCAGGGAUUACCAC	3	6	184	340	2328	1751	1741	1723
miR-24	UGGCUCAGUUCAGCAGGAACAG	22	54	2374	4144	16838	17463	14746	19793
miR-25	CAUUGCACUUGUCUCGGUCUGA	44	240	1337	1776	3582	1917	1504	1310
miR-26a	UUCAAGUAAUCCAGGAUAGGCU	17	135	1132	1581	8170	3507	2760	2440
miR-26b	UUCAAGUAAUCCAGGAUAGGUU	7	39	237	393	1434	785	684	562
miR-27a	UUCACAGUGGCUAAGUUCGG	0	1	5	6	153	146	115	134
miR-27b	UUCACAGUGGCUAAGUUCUGCA	1	2	35	59	523	311	262	269
miR-27c	UUCACAGUGGUUAAGUUCUGCC	0	1	23	81	450	823	670	673
miR-27d	UUCACAGUGGCUAAGUUCUUCAC	0	1	6	8	72	58	39	30
miR-27e	UUCACAGUGGCUAAGUUCAGU	0	1	52	80	355	345	356	359
miR-29a	UAGCACCAUUAaGAAUUCGGUUA	9	57	51	188	3422	749	545	480
miR-29b	UAGCACCAUUAaGAAUUCAGUGU	14	26	9	29	834	439	256	244
miR-301a	CAGUGCAAUAGUAUUGUCAAGCG	0	9	456	1016	1781	1338	852	1021
miR-301b	CAGUGCAAUAGUAUUGUCAUUGC	0	1	251	657	1015	560	355	368
miR-301c	CAGUGCAAUAGUAUUGUCAUAGC	5	66	5286	14545	27542	16177	10343	11414
miR-30b	UGUAAACAUCCUACACUCAGCU	3	17	510	789	2040	1435	1087	937
miR-30c	UGUAAACAUCCUACACUCUCAGCU	5	69	1378	1673	3266	1622	1316	1088
miR-30d	UGUAAACAUCCCGACUGGAAG	5	8	311	637	1436	799	803	770
miR-30e	UGUAAACAUCCUUGACUGGAAGC	5	75	505	1302	2836	3540	1932	2313
miR-30e*	CUUUCAGUCGGAUGUUUGCAGC	1	109	1324	1114	1295	388	555	525
miR-31	aGGCAAGAUGUUGGCAUAGCUG	0	1	10	22	11	4	10	23
miR-338	UCCAGCAUCAGUGAUUUUGUUGC	2	26	34	228	4687	5051	3557	3666
miR-34	UGGCAGUGUCUUAAGCUGGUUGU	2	103	253	870	4814	2060	1477	1841
miR-34b	AGGCAGUGUUGUAGCUGAUUG	0	0	0	3	16	6	11	12
miR-363	AAUUGCACaGUAUCCAUCUG	0	5	17	37	56	21	13	6
miR-365	UAAUGCCCUAAAAUCCUUAU	1	0	7	38	169	171	206	144
miR-375	UUUGUUCGUUCGGCUCGCGUUA	0	0	412	457	1287	154	346	277
miR-429	UAAUACUGUCUGGUAAUGCCGU	0	18	584	584	805	582	451	469
miR-429b	UAAUACUGCCUGGUAAUGCC	0	0	24	17	40	29	31	30
miR-430a	UAAGUGCUAUUUGUUGGGGUAG	270	4371	4282	2625	53	0	0	0
miR-430c	UAAGUGCUUCUCUUGGGGUAG	2906	73401	22495	14671	97	4	6	13

miR-430i	UAAGUGCUAUUUGUUGGCGUAG	21	306	187	111	2	0	0	0
miR-451	AAACCGUUACCAUACUGAGUUU	2	9	0	1	7	134	114	170
miR-454a	UAGUGCAAUAUUGCUAAUAGGG	0	0	0	1	5	2	2	0
miR-454b	AGUGCAAUAUUGCUAAUAGGGUCU	0	0	21	55	103	63	33	31
miR-455	AUGCAGUCCAUGGGCAUAUACA	0	0	23	85	668	778	469	444
miR-455b	UAUGUGCCCUUGGACUACAUUG	0	0	9	30	120	147	89	96
miR-456	CAGGCUGGUUAGAUGGUUGUC	1	5	94	107	408	267	238	231
miR-458	AUAGCUCUUUGAAUGGUACUG	3	5	110	145	228	478	370	391
miR-459	UCAGUAACAAGGAUUCAUCCUG	0	1	0	0	346	1048	500	600
miR-460-3p	CACAGCGCAUACAAUGUGGAU	0	0	1	4	31	45	45	48
miR-460-5p	CCUGCAUUGUACACACUGUGCG	0	3	11	88	534	1011	935	920
miR-462	GUAACGGAACCCAUAUUGCAGCU	0	5	5	14	21	21	31	21
miR-489	UGACAUCAUAUGUACGaCUGCU	0	6	0	1	90	47	50	41
miR-499	UUAAGACUUGCAGUGAUGUUUA	0	0	45	103	333	228	199	90
miR-722	UUUUGCAGAAACGUUCAGAUU	0	0	1	2	13	9	16	15
miR-724	UAAAGGGAUUUGCGACUGUU	0	2	3	4	229	49	31	36
miR-725	UUCAGUCAUUGUUUCUAGUAG	0	6	203	230	145	81	89	58
miR-727	GUUGAGGCGAGUUGAAGACUU	1	2	14	30	69	24	13	10
miR-727*	UCAGUCUCAAUCCUCCAGC	0	2	128	70	168	29	37	17
miR-728	AUACUAAGUACACUACGUUUU	0	0	34	39	44	13	5	6
miR-729	CAUGGGUAUGAUACGACCUG	0	0	0	0	10	9	14	14
miR-730	UCCUCAUUGUGCAUGCUGUGUG	1	8	51	87	602	159	170	205
miR-731	AAUGACACGUUUUCUCCCGAUCGC	0	0	12	16	34	27	23	28
miR-733	GCGUUGGUUUAGCUCAGUGGUACUU	2	1	7	9	12	41	12	12
miR-737	AAAUCAAAACCUAAAGAAAAU	0	0	0	3	6	8	3	1
miR-7a	UGGAAGACUAGUGAUUUUGUUGU	1	32	151	337	2468	838	569	663
miR-9	UCUUUGGUUAUCUAGCUGUAUGA	4	69	250	978	28885	4804	3386	2886
miR-9*	AUAAAGCUAGAUAAACCGAAAGU	1	11	38	187	3454	892	542	428
miR-92a	UAUUGCACUUGUCCCGGCCUGU	25	1409	4909	4162	5524	2346	1881	1664
miR-92b	UAUUGCACUCGUCCCGGCCUCC	0	0	15	3	8	29	22	27
miR-93	AAAAGUGCUGUUUGUGCAGGUAG	6	133	1190	2521	2531	1465	1226	1049
miR-96	UUUGGCACUAGCACAUUUUUGCU	0	0	6	13	381	96	37	38
miR-99	AACCCGUAGAUCCGAUCUUGUG	8	41	143	733	5625	2099	1953	1835