

S3 Table Precursors prediction of small RNA molecules

LncRNA_IL source	start	end	strand	E_value	Rfam_accessio	Rfam-id
TCONS_009Rfam	2	216	+	1.31E-16	RF01848	ACEA_U3
TCONS_007Rfam	191	443	+	1.02E-19	RF01845	enod40
TCONS_00CRfam	16	301	+	3.31E-13	RF00028	Intron_gpI
TCONS_002Rfam	183	261	+	1.42E-09	RF00029	Intron_gpII
TCONS_01CRfam	7	69	+	6.95E-09	RF00029	Intron_gpII
TCONS_003Rfam	2490	2566	+	1.10E-06	RF00029	Intron_gpII
TCONS_003Rfam	417	493	+	1.77E-15	RF01419	IsrR
TCONS_003Rfam	286	367	+	1.47E-19	RF00073	mir-156
TCONS_003Rfam	285	366	+	1.47E-19	RF00073	mir-156
TCONS_001Rfam	551	633	+	1.58E-19	RF00073	mir-156
TCONS_001Rfam	534	616	+	1.58E-19	RF00073	mir-156
TCONS_004Rfam	296	380	+	5.16E-17	RF00073	mir-156
TCONS_005Rfam	270	354	+	5.16E-17	RF00073	mir-156
TCONS_004Rfam	296	380	-	6.99E-14	RF00073	mir-156
TCONS_005Rfam	270	354	-	6.99E-14	RF00073	mir-156
TCONS_001Rfam	551	633	-	2.10E-10	RF00073	mir-156
TCONS_001Rfam	534	616	-	2.10E-10	RF00073	mir-156
TCONS_003Rfam	286	367	-	9.10E-09	RF00073	mir-156
TCONS_003Rfam	285	366	-	9.10E-09	RF00073	mir-156
TCONS_003Rfam	1038	1238	+	1.29E-40	RF00638	MIR159
TCONS_005Rfam	973	1162	+	5.69E-29	RF00638	MIR159
TCONS_003Rfam	1036	1236	-	1.65E-27	RF00638	MIR159
TCONS_005Rfam	971	1160	-	8.50E-13	RF00638	MIR159
TCONS_009Rfam	65	153	+	2.38E-18	RF00640	MIR167_1
TCONS_009Rfam	99	205	+	3.10E-18	RF00640	MIR167_1
TCONS_00CRfam	106	212	+	3.61E-18	RF00640	MIR167_1
TCONS_00CRfam	110	216	+	3.61E-18	RF00640	MIR167_1
TCONS_00CRfam	100	206	+	3.61E-18	RF00640	MIR167_1
TCONS_00CRfam	107	213	-	2.68E-16	RF00640	MIR167_1
TCONS_00CRfam	111	217	-	2.68E-16	RF00640	MIR167_1
TCONS_00CRfam	101	207	-	2.68E-16	RF00640	MIR167_1
TCONS_009Rfam	100	206	-	4.08E-15	RF00640	MIR167_1
TCONS_009Rfam	66	154	-	6.84E-14	RF00640	MIR167_1
TCONS_005Rfam	102	334	+	1.33E-13	RF00640	MIR167_1
TCONS_005Rfam	103	335	-	1.58E-08	RF00640	MIR167_1
TCONS_01CRfam	99	263	+	6.01E-35	RF00677	MIR168
TCONS_01CRfam	98	262	-	8.10E-16	RF00677	MIR168
TCONS_009Rfam	197	291	-	2.59E-18	RF00645	MIR169_2
TCONS_009Rfam	199	293	+	9.33E-13	RF00645	MIR169_2
TCONS_009Rfam	191	299	+	5.97E-14	RF00865	MIR169_5
TCONS_009Rfam	192	300	-	6.24E-06	RF00865	MIR169_5
TCONS_002Rfam	813	910	+	2.95E-24	RF00452	mir-172
TCONS_002Rfam	325	422	+	2.95E-24	RF00452	mir-172
TCONS_009Rfam	807	904	+	4.47E-23	RF00452	mir-172
TCONS_002Rfam	22	186	+	7.24E-23	RF00452	mir-172
TCONS_005Rfam	200	365	+	7.12E-22	RF00452	mir-172
TCONS_002Rfam	813	910	-	3.64E-20	RF00452	mir-172
TCONS_002Rfam	325	422	-	3.64E-20	RF00452	mir-172
TCONS_01CRfam	50	157	+	7.61E-19	RF00452	mir-172
TCONS_009Rfam	807	904	-	8.01E-19	RF00452	mir-172
TCONS_002Rfam	22	186	-	3.19E-18	RF00452	mir-172
TCONS_005Rfam	200	365	-	6.98E-17	RF00452	mir-172

TCONS_01Crfam	50	157 -	1.82E-15 RF00452	mir-172
TCONS_00Crfam	1	120 +	8.20E-24 RF00689	MIR390
TCONS_00Crfam	1	120 -	1.11E-15 RF00689	MIR390
TCONS_00Erfam	114	223 +	8.68E-23 RF00688	MIR394
TCONS_00Erfam	114	223 -	2.55E-15 RF00688	MIR394
TCONS_00Crfam	97	223 +	2.11E-14 RF00451	mir-395
TCONS_00Crfam	97	223 -	2.91E-10 RF00451	mir-395
TCONS_00Crfam	52	188 +	4.26E-17 RF00445	mir-399
TCONS_00Erfam	14	112 +	2.04E-15 RF00445	mir-399
TCONS_00Crfam	23	118 +	1.53E-14 RF00445	mir-399
TCONS_00Crfam	23	118 -	2.36E-13 RF00445	mir-399
TCONS_00Erfam	15	112 -	2.49E-12 RF00445	mir-399
TCONS_00Crfam	52	188 -	2.42E-11 RF00445	mir-399
TCONS_007Rfam	235	338 +	1.54E-21 RF00842	MIR403
TCONS_007Rfam	233	336 -	5.90E-19 RF00842	MIR403
TCONS_007Rfam	1428	1527 +	1.10E-22 RF00714	MIR535
TCONS_01Crfam	1221	1320 +	8.42E-21 RF00714	MIR535
TCONS_01Crfam	1190	1289 +	8.42E-21 RF00714	MIR535
TCONS_01Crfam	1292	1391 +	8.42E-21 RF00714	MIR535
TCONS_01Crfam	1200	1299 +	8.42E-21 RF00714	MIR535
TCONS_01Crfam	1219	1318 -	2.65E-18 RF00714	MIR535
TCONS_01Crfam	1188	1287 -	2.65E-18 RF00714	MIR535
TCONS_01Crfam	1290	1389 -	2.65E-18 RF00714	MIR535
TCONS_01Crfam	1198	1297 -	2.65E-18 RF00714	MIR535
TCONS_007Rfam	1426	1525 -	4.50E-17 RF00714	MIR535
TCONS_00Erfam	1	304 +	7.66E-38 RF01855	Plant_SRP
TCONS_00Erfam	1	303 +	1.09E-37 RF01855	Plant_SRP
TCONS_01Crfam	1	307 +	1.78E-37 RF01855	Plant_SRP
TCONS_00Erfam	2	307 +	3.44E-37 RF01855	Plant_SRP
TCONS_01Crfam	1	309 +	8.46E-36 RF01855	Plant_SRP
TCONS_01Crfam	1	303 +	1.19E-34 RF01855	Plant_SRP
TCONS_007Rfam	2	309 +	2.79E-34 RF01855	Plant_SRP
TCONS_01Crfam	1	300 +	2.35E-33 RF01855	Plant_SRP
TCONS_004Rfam	740	1049 +	1.23E-32 RF01855	Plant_SRP
TCONS_004Rfam	2	301 +	1.76E-30 RF01855	Plant_SRP
TCONS_00Erfam	1	300 +	7.24E-28 RF01855	Plant_SRP
TCONS_00Erfam	1	259 +	1.73E-22 RF01855	Plant_SRP
TCONS_01Crfam	1	273 +	1.39E-21 RF01855	Plant_SRP
TCONS_00Crfam	2	216 +	4.46E-55 RF01847	Plant_U3
TCONS_00Crfam	1	218 +	2.36E-54 RF01847	Plant_U3
TCONS_00Crfam	24	238 +	2.33E-47 RF01847	Plant_U3
TCONS_00Crfam	1	211 +	1.24E-39 RF01847	Plant_U3
TCONS_00Erfam	28	214 +	3.61E-32 RF01847	Plant_U3
TCONS_00Crfam	1	203 +	7.29E-30 RF01847	Plant_U3
TCONS_00Erfam	24	211 +	2.93E-29 RF01847	Plant_U3
TCONS_00Erfam	15	200 +	7.61E-27 RF01847	Plant_U3
TCONS_00Crfam	28	208 +	5.66E-26 RF01847	Plant_U3
TCONS_001Rfam	80	321 +	2.09E-10 RF00030	RNase_MRP
TCONS_004Rfam	2405	2509 +	4.35E-18 RF01213	snoR103
TCONS_004Rfam	322	428 +	1.30E-16 RF01213	snoR103
TCONS_004Rfam	322	428 +	1.30E-16 RF01213	snoR103
TCONS_001Rfam	283	384 +	1.32E-20 RF01420	snoR113
TCONS_00Crfam	162	263 +	2.78E-19 RF01420	snoR113
TCONS_00Crfam	428	573 +	5.28E-36 RF01292	snoR2

TCONS_009Rfam	437	582 +	5.28E-36 RF01292	snoR2
TCONS_004Rfam	428	573 +	7.68E-36 RF01292	snoR2
TCONS_003Rfam	300	390 +	9.50E-14 RF01193	snoR20a
TCONS_008Rfam	306	398 +	8.33E-13 RF01193	snoR20a
TCONS_003Rfam	135	227 +	8.44E-13 RF01193	snoR20a
TCONS_001Rfam	449	541 +	8.44E-13 RF01193	snoR20a
TCONS_002Rfam	104	204 +	9.88E-13 RF00353	snoR31_Z110_Z27
TCONS_004Rfam	106	197 +	2.66E-17 RF00356	snoR32_R81
TCONS_011Rfam	295	375 -	1.77E-21 RF01281	snoR35
TCONS_011Rfam	277	357 -	1.77E-21 RF01281	snoR35
TCONS_011Rfam	295	375 -	1.77E-21 RF01281	snoR35
TCONS_011Rfam	295	375 -	1.77E-21 RF01281	snoR35
TCONS_007Rfam	571	668 +	9.09E-22 RF00267	snoR64
TCONS_003Rfam	165	242 +	5.15E-11 RF01163	snoR64a
TCONS_001Rfam	311	391 +	6.21E-11 RF01163	snoR64a
TCONS_008Rfam	168	248 +	6.62E-11 RF01163	snoR64a
TCONS_003Rfam	2	77 +	2.40E-09 RF01163	snoR64a
TCONS_01CRfam	1352	1458 -	4.72E-14 RF00097	snoR71
TCONS_003Rfam	10013	10119 +	2.12E-13 RF00097	snoR71
TCONS_005Rfam	3407	3513 -	1.96E-12 RF00097	snoR71
TCONS_002Rfam	4315	4421 -	4.18E-12 RF00097	snoR71
TCONS_002Rfam	4070	4176 -	4.18E-12 RF00097	snoR71
TCONS_004Rfam	1044	1150 -	4.61E-11 RF00097	snoR71
TCONS_004Rfam	1186	1292 -	4.61E-11 RF00097	snoR71
TCONS_005Rfam	1202	1308 -	4.28E-10 RF00097	snoR71
TCONS_007Rfam	4164	4270 -	6.43E-10 RF00097	snoR71
TCONS_004Rfam	594	686 +	2.84E-17 RF01178	snoR77Y
TCONS_009Rfam	594	686 +	3.47E-14 RF01178	snoR77Y
TCONS_009Rfam	603	695 +	3.47E-14 RF01178	snoR77Y
TCONS_007Rfam	257	334 +	1.33E-11 RF00093	SNORD18
TCONS_007Rfam	259	335 +	3.16E-07 RF01159	snoU18
TCONS_009Rfam	155	302 +	8.65E-22 RF01236	snoU19
TCONS_00CRfam	162	309 +	3.80E-21 RF01236	snoU19
TCONS_004Rfam	176	240 +	1.14E-17 RF01300	snoU49
TCONS_009Rfam	198	262 +	1.06E-15 RF01300	snoU49
TCONS_009Rfam	207	271 +	1.06E-15 RF01300	snoU49
TCONS_004Rfam	2	57 +	3.94E-10 RF01300	snoU49
TCONS_009Rfam	197	404 +	4.97E-15 RF00337	snoZ112
TCONS_009Rfam	206	413 +	4.97E-15 RF00337	snoZ112
TCONS_004Rfam	179	388 +	7.22E-12 RF00337	snoZ112
TCONS_004Rfam	761	846 +	2.28E-12 RF00343	snoZ122
TCONS_004Rfam	764	849 +	2.17E-11 RF00343	snoZ122
TCONS_007Rfam	722	814 +	2.41E-10 RF00343	snoZ122
TCONS_003Rfam	763	853 +	1.25E-08 RF00343	snoZ122
TCONS_007Rfam	97	179 +	2.41E-17 RF00200	snoZ199
TCONS_001Rfam	420	535 +	3.21E-15 RF00332	snoZ266
TCONS_001Rfam	1919	1992 +	2.90E-12 RF00005	tRNA
TCONS_003Rfam	451	522 +	2.90E-12 RF00005	tRNA
TCONS_00CRfam	177	250 -	3.66E-12 RF00005	tRNA
TCONS_00CRfam	154	226 -	4.40E-12 RF00005	tRNA
TCONS_01CRfam	3	76 -	4.55E-12 RF00005	tRNA
TCONS_003Rfam	2717	2788 +	6.33E-12 RF00005	tRNA
TCONS_00CRfam	56	127 +	7.04E-12 RF00005	tRNA
TCONS_009Rfam	44	115 -	1.53E-11 RF00005	tRNA

TCONS_001Rfam	36	109 +	2.51E-11 RF00005	tRNA
TCONS_007Rfam	136	208 +	2.69E-11 RF00005	tRNA
TCONS_005Rfam	2672	2743 -	4.16E-11 RF00005	tRNA
TCONS_005Rfam	1610	1681 -	4.16E-11 RF00005	tRNA
TCONS_00CRfam	275	348 +	9.89E-11 RF00005	tRNA
TCONS_005Rfam	518	589 -	4.27E-09 RF00005	tRNA
TCONS_005Rfam	553	624 -	4.27E-09 RF00005	tRNA
TCONS_005Rfam	3255	3324 -	2.16E-08 RF00005	tRNA
TCONS_005Rfam	2588	2659 -	4.69E-08 RF00005	tRNA
TCONS_007Rfam	38	123 -	1.19E-06 RF00005	tRNA
TCONS_009Rfam	2346	2412 -	3.20E-06 RF00005	tRNA
TCONS_006Rfam	2	141 +	8.11E-20 RF00003	U1
TCONS_00CRfam	2	193 +	5.53E-50 RF00004	U2
TCONS_01CRfam	1	184 +	6.74E-44 RF00004	U2
TCONS_006Rfam	1	186 +	1.09E-43 RF00004	U2
TCONS_004Rfam	1	184 +	1.34E-43 RF00004	U2
TCONS_011Rfam	1	185 +	1.08E-41 RF00004	U2
TCONS_006Rfam	1	185 +	3.71E-41 RF00004	U2
TCONS_006Rfam	3	177 +	5.94E-36 RF00004	U2
TCONS_009Rfam	2	215 +	1.00E-16 RF00012	U3
TCONS_007Rfam	1	136 +	1.92E-18 RF00015	U4
TCONS_008Rfam	1	135 +	6.33E-18 RF00015	U4
TCONS_008Rfam	1	135 +	6.33E-18 RF00015	U4
TCONS_008Rfam	1	135 +	6.33E-18 RF00015	U4
TCONS_01CRfam	1466	1582 -	3.00E-19 RF00020	U5
TCONS_01CRfam	122	213 +	6.35E-18 RF00020	U5
TCONS_007Rfam	442	531 +	1.85E-12 RF00206	U54
TCONS_007Rfam	25	127 +	4.61E-31 RF00026	U6
TCONS_00CRfam	2	94 +	2.83E-27 RF00026	U6
TCONS_00CRfam	1	83 +	4.20E-26 RF00026	U6
TCONS_009Rfam	4	96 +	4.07E-25 RF00026	U6
TCONS_00CRfam	1	73 +	4.40E-21 RF00026	U6
TCONS_01CRfam	1	78 +	1.55E-20 RF00026	U6
TCONS_00CRfam	623	732 -	1.03E-15 RF00026	U6
TCONS_00CRfam	853	962 -	1.03E-15 RF00026	U6
TCONS_011Rfam	1	106 +	1.04E-13 RF00619	U6atac