

Table S2. Cadherin RNAi target sequence						
RNAi vector ID	Description	Ens Gene ID	Ens Trans ID	Trans length	Target seq	Location
pECK0A	Protocadherin10	ENSGALG00000000746	ENSGALT00000001080	2862	ACGACAATATTCCTGCCTTGA	719
pECK0B					GCGTCTACGTGATGGAGAACAA	1394
pECK0C					TCTTTGTGAACGAGCGGATAGA	263
pECK1A	cRET	ENSGALG00000002555	ENSGALT00000041122	3333	GGTAGAATTTACATGCATTTA	3182
pECK1B					CCTTTCACATCAAGGAGAATAA	507
pECK1C					AGGCAGCTTTGCTTCACAGAAA	476
pECK2A	Calsyntenin1	ENSGALG00000002606	ENSGALT00000004104	2925	GCGACCAAGTCTTTGAGTTTAA	986
pECK2B					CAGTTGAAGTAAACCAATCA	815
pECK2C					GGAGACATGTGATGAACCAATA	777
pECK3A	Protocadherin gamma C3	ENSGALG00000021472	ENSGALT00000004187	3379	AGAGTGATTTCTCTTTGTAAA	2451
pECK3B					CCATGATCCTGGCCTCGGCAAA	2709
pECK3C					TTAACTCTTTCAGACCTATCA	622
pECK4A	Cadherin4, R-cadherin	ENSGALG00000005102	ENSGALT00000008180	2742	AGATCTACCTAATCGACATCAA	1952
pECK4B					CCTGCAAAGTGGCTGAACATTA	1795
pECK4C					TGCAGTTGATAGCTTTCTCTTA	1090
pECK5A	Cadherin5, VE-cadherin	ENSGALG00000005272	ENSGALT00000008459	2361	TACATGAGTTACTGCAGATAAA	3065
pECK5B					AGGAGAAGTTGGCCGAGTTAAA	843
pECK5C					TGGAAATGATGATCGAGGTTAA	2123
pECK6A	Cadherin 11, OB-cadherin	ENSGALG00000005278	ENSGALT00000008465	5406	GGAAGAGTATCACGTTGTAATA	1310
pECK6B					AGACTGTTCTACCTGACAATTA	4325
pECK6C					GAATGACGTTTCAGCTCTATAA	4855
pECK7A	Celsr3, Flamingo1 homologue	ENSGALG00000005730	ENSGALT00000009205	8958	CGGCCTTGATAGACCTGGATTA	2417
pECK7B					TGTATGCAATTCTCCACATA	6321
pECK7C					TGATGGAGCTTCTGCGGACTA	6078
pECK8A	FatJ protocadherin	ENSGALG00000011823	ENSGALT00000019298	14895	GTAATTCAATATACTGGACATA	5724
pECK8B					TACTGATGATGACTCCGGTATA	5529
pECK8C					GCTCATTAGTGGCAGCCATTCT	5504
pECK8E					AGCAGCAAGTGAAGACAACAAA	14820
RNAi vector ID	Description	Ens Gene ID	Ens Trans ID	Trans length	Target sequence	Location
pECK9A	Cadherin20, MN-cadherin	ENSGALG00000012906	ENSGALT00000021043	2879	GGATCAGCTTTACTTGGTTAAA	2573
pECK9B					CGCCGGAGTTTGCAGGTTCTA	1779
pECK9C					AGGCGTGCATCATGGACAACAA	2153
pECK10A	Fat1 protocadherin	ENSGALG00000013579	ENSGALT00000022100	13689	CTCTGAAGTAGATGGAAATTA	11669
pECK10B					TGGTGGTCATATTGGGCAACAA	11781
pECK10C					CTGAAGAATTCATTGGCGATTA	10874
pECK12A	Calsyntenin3	ENSGALG00000014674	ENSGALT00000030492	3102	GCAGCCTCATCTACTGGTTCAA	1259
pECK12B					CTACCAGGTGGAGCCAAGAA	2261
pECK12C					TTGAAGCTGTGATACTGGATAA	470
pECK13A	Cadherin2, N-cadherin	ENSGALG00000015132	ENSGALT00000024417	2739	TGCCTGATTCACCTCCTAGTA	1940
pECK13B					TGATGTTCTGATGATGGATGAA	2237
pECK13C					GAGAGCATGCAGTGGATGTA	720
pECK14A	Protocadherin8 (Arcadlin)	ENSGALG00000016944	ENSGALT00000027388	3033	TGCTTGACCTGGATGCCGAAGA	797
pECK14B					AGTGGCTGTGCCGAGAACAA	1421
pECK14C					CCAACTCCATCCAGAGCTTCCA	506
pECK15A	Protocadherin17	ENSGALG00000016941	ENSGALT00000027383	3441	GGATCCTACTAGTGGTGAGATA	1878

pECK15B					GTCAGTATCTATCGCCTAGTAA	3188
pECK15C					ACAAGGAGATCCGCACCTATAA	2177
pECK38A	Cadherin1, E-Cadherin	ENSGALG00000000608	ENSGALT00000000855	2202	GGCAAGCCGTTTACCACATCAA	782
pECK38B					TGCACGCCATCAACAGTACATA	1217
pECK38C					AGAAGCAGATACTGAGCATTGT	1379
pECK39A					AGAGCAAATGATCGGAGATTATA	544
pECK39B	Cadherin-related neuronal receptor c01	ENSGALG00000000760	ENSGALT00000001081	2997	CATCACTGTTGCTAACGCCAAA	2522
pECK39C					GCCTCCAACCTTTATTCTCTCA	835
pECK40A					ACGTGGAGGTGCTGGACGTGAA	1004
pECK40B	Protocadherin beta 15	ENSGALG00000001009	ENSGALT00000001491	1429	GGATTAACCGCTTGCGAGGATTA	491
pECK40C					CACGTCAGCTCTTCGATCTTAA	866
pECK41A	Protocadherin1	ENSGALG00000002553	ENSGALT00000004036	3675	CGCAGGTAGTGGTACCACATCAA	1085
pECK41B					TCAACGTCATGGATAGGAATGA	1772
pECK41C					GCATCACCATCGTGGACATGAA	773
RNAi vector ID	Description	Ens Gene ID	Ens Trans ID	Trans length	Target sequence	Location
pECK42A	Protocadherin-LKC gene product	ENSGALG00000003285	ENSGALT00000005196	3681	AGCTGTCAGTTGCTGCTATAA	2525
pECK42B					AGATCCGGATCATAGACATTAA	2726
pECK42C					CTTCCAGCTGATGGCCTATGA	128
pECK43A	Fat2 protocadherin	ENSGALG00000004320	ENSGALT00000006879	13077	CCTCTTGATTATCATGCTTTAA	6382
pECK43B					CGCAAGGACTCTTCGCCATTAA	3539
pECK43C					CAGAGAGAGTCATTGCCATTAA	7640
pECK44A	Cadherin23, Otocadherin	ENSGALG00000004653	ENSGALT00000007414	9954	CAGGTCTTATCACCACCATGGA	3659
pECK44B					TCGATCTTTCACGGCCTACAA	8636
pECK44C					CACTGATCCTGGAGGCCATTGA	3074
pECK45A	Calsyntenin2	ENSGALG00000005310	ENSGALT00000008513	2697	CGATCGAATTGCAGACCAATTA	662
pECK45B					AGTTTCTGTTGTTACCTTATA	1154
pECK45C					GGCGCAATTTGAAAGTGAAAGA	1758
pECK46A	Cadherin8	ENSGALG00000005319	ENSGALT00000008525	2400	ATGGATACATGGACTCCATTAA	28
pECK46B					TTACTGTACTTCCCTCCATTTA	62
pECK46C					GTGGCACAATATAACGATTGTA	1380
pECK47A	Protocadherin beta 4	ENSGALG00000005427	ENSGALT00000008718	1656	CGGACGAACGAGTGACCTTTAA	404
pECK47B					GGCATTATTGTTACGATCAA	863
pECK47C					TTCTCAGAGTGGTGGCCATTGA	782
pECK48A	Cadherin13, Truncated-cadherin	ENSGALG00000005483	ENSGALT00000008808	2145	GGAAGTTGAAGTAACGGATTTA	648
pECK48B					GCTCTGTTGTCAAACCTTTA	1278
pECK48C					GGTGAACATGATGGATCTTTA	231
pECK49A	Protocadherin19	ENSGALG00000006822	ENSGALT00000011030	1240	AGTTCAAAGTCTTGGCGAAAGA	537
pECK49B					AGGTCATCGTGAGGAGAACAA	324
pECK49C					ACAAGGAAATCAGGACCTATAA	1068
pECK50A	Protocadherin11	ENSGALG00000006851	ENSGALT00000011083	3012	CAGACAGAATGGAAAGCAATTA	2964
pECK50B					TACTATAGCTCTTGTGCATTTA	2256
pECK50C					GCCTTGATCTTGAGCCATTCA	767
RNAi vector ID	Description	Ens Gene ID	Ens Trans ID	Trans length	Target sequence	Location
pECK51A	Cadherin22	ENSGALG00000007211	ENSGALT00000011670	2451	TCATCAAGGTGCAGGACATCAA	410
pECK51B					GGACCATCTTCCCTCATCGATGA	266
pECK51C					TGCTTCTGATCCTCACGCTGAA	1976
pECK53A	Unknown gene KIAA0319	ENSGALG00000012660	ENSGALT00000020665	3231	CTAACCTTGTCTTGGAAATTA	1487
pECK53B					GCCACGTATTCAAGTGCAGTAA	97

pECK53C					CCAGAGCAGTGATGACCATGAA	1665
pECK54A	Cadherin6B	ENSGALG00000012917	ENSGALT00000021069	2376	CTCACCAATTGGCAGGATTA	855
pECK54B					ATGGTTCGATATTTACGTCAA	1313
pECK54C					GAGACAACATTGTCAGTTATA	1961
pECK55A	Cadherin10, T2 cadherin	ENSGALG00000012927	ENSGALT00000021083	2400	GAGACAACATTGTGAGTTATA	1961
pECK55B					TGGCTTTAGTCGACATGAAATA	1665
pECK55C					ATCCGGACTGCTTTGCCAAATA	649
pECK56A	Cadherin12, Brain cadherin	ENSGALG00000012941	ENSGALT00000021107	2391	TCATCAAAGTGCAGGACATTAA	440
pECK56B					GTAATTTCTCCAGTGGTAATA	1698
pECK56C					GATACTTCATCGATTGGAAGAA	1262
pECK57A	Cadherin18 (Cdh14)	ENSGALG00000012942	ENSGALT00000021109	2379	TGCTAATACTGGAACCATTA	1308
pECK57B					CCGTTGTCAATCAAGCCAAAGA	698
pECK57C					GACCATCACTCAACTGACAAA	1527
pECK58A	Protocadherin7	ENSGALG00000014349	ENSGALT00000023178	3267	GAGACAGTATTTCACTCTGAAA	3076
pECK58B					CTTTGTCTCTATTGATCCTATA	3171
pECK58C					AGCCACAGAACAAGCGCAAGTA	1166
pECK59A	Protocadherin9	ENSGALG00000016908	ENSGALT00000027329	3057	CGTGGTCTATACTTAACAATA	1450
pECK59B					ACAAAGGTTTGTTCGGATTGA	2165
pECK59C					CCAACAACCTTTAAGCCTAACA	2731
pECK60A	Protocadherin13	ENSGALG00000016934	ENSGALT00000027374	2754	CAATCCTTCTTAGACATAAA	2084
pECK60B					GCTCCTATGTTCTGTGGATTGA	2015
pECK60C					GACCTTGGATCCAATGCACAAA	940
pECK61A	FRAS1-related ECM protein 2	ENSGALG00000017041	ENSGALT00000027534	9282	AGCTCCTATTAGCAGGCAATA	4208
pECK61B					TGAAGACAGTGGAGGCAATA	5010
pECK61C					GGAGATGAATCAACTGTCTTA	5392
RNAi vector ID	Description	Ens Gene ID	Ens Trans ID	Trans length	Target sequence	Location
pECK62A	Fat3 protocadherin	ENSGALG00000017229	ENSGALT00000027846	3291	CAGCCGGTCTCGATGGCAAATA	2932
pECK62B					CTTCATAGTACTGTCATACA	2576
pECK62C					GCCTGCACATCATCAGCATTCA	575
pECK64A	Protocadherin gamma A11	ENSGALG00000021472	ENSGALT00000004187	2832	CCAATCCATCTCCACCTATGA	503
pECK64B					TAGCAATAATGCACCTGGTAAA	861
pECK64C					ATTGCAAGTACAAGCAGAATA	2273
Tead4A	Tead4	ENSGALG00000014342	NM_204771	1465	CGTTCCTCGTTTACTCCTTTAA	59
Tead4B					TCTACAGCCTTCACTGCCATTA	782
Tead4C					GCTCCAAACTTTGGATGTTAGA	637
Yap1A	Yap1	ENSGALG00000017188	ENSGALT00000027774	1032	CAGCCAAAGTGTCCAGTGAAA	384
Yap1B					CTGGACAGATACTTCTTAA	230
Yap1C					GCGGACTTAGCATGAGCAGTTA	716