

## Additional file 13: Table S7

### List of primers used in this study.

ID	Sequence	Gene	Species	Application
Neo probe Forw	AAGTATCCATCATGGCTGATG	Neo cassette		ES clone screening
Neo probe Rev	TCGTCAAGAAGGCGATAGAAG			ES clone screening
P1	CCAGGTCTGGAATGCAAAGT	hPCSK9	Human	Mouse genotyping
P2	TTTTGATAAGGCTGCAGAAGGAGC	R26	Mouse	Mouse genotyping
P3	GTGTTCGTGCAAGTTGAGTCCATC		Mouse	Mouse genotyping
mPcsk9-Cel-1Forw	GACTTTGTGAAGGCTGGGGA	Pcsk9	Mouse	Surveyor
mPcsk9-Cel-1Rev	TGCATGGAGCAATGCAGAGA		Mouse	Surveyor
hPcsk9-Cel-1Forw	ACTCAGGCTCCTAGTCTGTCC	PCSK9	Human	Surveyor
hPcsk9-Cel-1Rev	CAGATGGGGTCTTACCGGG		Human	Surveyor
mPcsk9Forw	CCATGGCCAGCACTGGTATC	Pcsk9	Mouse	Sanger Sequencing
mPcsk9Rev	GGGATGAAGCCAACACGGAT		Mouse	Sanger Sequencing
hPCSK9Forw	GCCTGAGCTTCACTCCATGT	PCSK9	Human	Sanger Sequencing
hPCSK9Rev	GGCCCTAGGTAGATCACCA		Human	Sanger Sequencing
mON-Forw	CATGGCTGTCTGTTCTGTA	Pcsk9	Mouse	Deep sequencing
mON-Rev	AGG TCA GTG CAG ACT CTG GAG		Mouse	Deep sequencing
hON-Forw	ATGTGGGGACAGTTTTGATC	PCSK9	Human	Deep sequencing
hON-Rev	TGGTATTCATCCGCCCGTA		Human	Deep sequencing
OT1-Forw	GGTTTCCAGGAGCTGAGGACA	OT1	Mouse	Deep sequencing
OT1-Rev	CCCCCTCAGAGCAGTTTTAGTT		Mouse	Deep sequencing
OT6-Forw	GGCGCTACTCATCACTGCCTGT	OT6	Mouse	Deep sequencing
OT6-Rev	CAGTTTCTGGAGGTGCCACA		Mouse	Deep sequencing
OT8-Forw	TGTGCAGTAAAGAACAACCTTTGAGG	OT8	Mouse	Deep sequencing
OT8-Rev	ACTTCTGCCAGAGGCACC		Mouse	Deep sequencing
OT0-Forw	GGCCTCATGACTTGGGCATCACT	OT10	Mouse	Deep sequencing
OT10-Rev	AGCTCCTGGTGAAGTAGCCTCCA		Mouse	Deep sequencing
OT14-Forw	CCCCGATCTCACTGACCCCTA	OT14	Mouse	Deep sequencing
OT14-Rev	ACACCTTCGTTGGCCACCTCAG		Mouse	Deep sequencing
OT16-Forw	TCTCTGACCTCTGATGGCTCAAGT	OT16	Mouse	Deep sequencing
OT16-Rev	GCCTGCAGAGCACATCAGGGAT		Mouse	Deep sequencing
OT17-Forw	ACACACCACAATGTCTCATTCCAGGA	OT17	Mouse	Deep sequencing
OT17-Rev	AGGCCATTTGTACCAGCTAGATACT		Mouse	Deep sequencing
OT24-Forw	GACCACAGTGCTCACATCCTCCT	OT24	Mouse	Deep sequencing
OT24-Rev	TGTTTCTCTACCGGAGCTGGC		Mouse	Deep sequencing
OT29-Forw	ATTTTGGGACAGGGTTTCTCGCCT	OT29	Mouse	Deep sequencing
OT29-Rev	GGTAAGGTGAAGTCAGAGGACACA		Mouse	Deep sequencing
OT34-Forw	GGGGGAGACAGACCAGGCATAC	OT34	Mouse	Deep sequencing
OT34-Rev	ACACACCACTCCTCCCCCTAGG		Mouse	Deep sequencing
OT36-Forw	GGCTCTTGGGTCCCTTGCAAG	OT36	Mouse	Deep sequencing
OT36-Rev	TCGTGAGTGGAGGGATCCTGCT		Mouse	Deep sequencing
OT45-Forw	AGTACTAGCTGGTCCCCGGTGG	OT45	Mouse	Deep sequencing
OT45-Rev	GGAGCTTGAGTAGAGGAAAGGC		Mouse	Deep sequencing
OT58-Forw	TCCGTGTTGAGCTGTTTGTGA	OT58	Mouse	Deep sequencing

OT58-Rev	ACCCCCGTTCAAACCTCCAGTATGC		Mouse	Deep sequencing
OT68-Forw	TGACACCCACAGCTCAGTTGCT	OT68	Mouse	Deep sequencing
OT68-Rev	TTGCGTTGATGTGTGTGCGTTT		Mouse	Deep sequencing
OT70-Forw	CCTGCAGGCCAGGCTGC	OT70	Mouse	Deep sequencing
OT70-Rev	TCCGCCCGGTACCGTGA		Mouse	Deep sequencing
OT71-Forw	ATCATTGGGACCTGCTCTGGGC	OT71	Mouse	Deep sequencing
OT71-Rev	CCCACCCTGACACGAGGACATG		Mouse	Deep sequencing
OT73-Forw	AGGGCAGAGGGAAAGCACTGTG	OT73	Mouse	Deep sequencing
OT73-Rev	GGTTGTGTGCTCCCTTCTGCT		Mouse	Deep sequencing
OT74-Forw	CGAGTTCTAGGACAGCCAGGGC	OT74	Mouse	Deep sequencing
OT74-Rev	AGACATCTCAGGAGCTCCCCAG		Mouse	Deep sequencing
OT75-Forw	TTCTGGGCTCATGGTTCCGGGG	OT75	Mouse	Deep sequencing
OT75-Rev	AGGTCGATTTGTGAAGCCTGGGT		Mouse	Deep sequencing
OT77-Forw	GGCTCACAAACCATCTGAAACCCC	OT77	Mouse	Deep sequencing
OT77-Rev	CATATCCCCATAATTTCTGTGCCTTTTC		Mouse	Deep sequencing
OT78-Forw	CAGCCAGCACTGTAGACTGAACA	OT78	Mouse	Deep sequencing
OT78-Rev	GGCTGATCTACCCCAATGCCA		Mouse	Deep sequencing
OT79-Forw	TGTTTGGGAGGAAGGGAGGCATA	OT79	Mouse	Deep sequencing
OT79-Rev	GGCGGGTAGGTGGGATCCTAGG		Mouse	Deep sequencing
OT80-Forw	TCTGGCTCTGGAGTCTGTCTACA	OT80	Mouse	Deep sequencing
OT80-Rev	ATCTGGAATTTGGAGGATGGGAC		Mouse	Deep sequencing
OT81-Forw	GGGCTTGGTCACCCCTTTCTC	OT81	Mouse	Deep sequencing
OT81-Rev	TGGACTCTGCCAGATAGAT		Mouse	Deep sequencing
Trans-Forw-mouse	GACTTTGTGAAGGCTGGGA		Mouse	PCR/Translocations
Trans-Rev-human	CATTCTCGAAGTCGGTGACCA		Human	PCR/Translocations