

**Table 2s Primers used to amplify the *SLC7A9* exons together with the external double dose control *DSCR1* gene**

Amount refers to picomoles of each pair of primers per 20  $\mu$ l reaction. \*) Primers labeled with FAM fluorescence (Lifetechnologies). *DSCR1* primers are used as a double dosage control.

Exon	Name	Sequence (5' -> 3')	Size (pb)	Amount (pmoles)
1	P6IF1(-)*	CATTTCTAGGGTTGGACCGTG	127	2.8
	P6IR1(-)	GGCCAGGAGAGCCATGAG		
2	P6IF1N	ATGACTGACTTTGACTCTGGG	400	2
	P6IR1b*	TCTTCTGCCGTGTCAGTAGG		
3	P6IF2*	CTCCTAATCTTTCTGTGCCTCA	242	2.35
	P6IR2b	GGTAGCAGCTGCCTGGCGT		
4	P6F3*	GGAGCTTGGCACAATGATCAC	328	2.1
	P6IR3c	GCTCTCACCAGAGACTCACT		
5	P6F4*	CTTCCAGTGTTTCATCTCGACA	98	2.6
	P6R13	ATGGCCACGATCACCAGCTTG		
6	P6IF5	TCCCGTGGAGATACTCA	267	1.85
	P6IR5*	CCCAGAAAGGAGAACTCATTGT		
7	P6IF6	AGTCAAGGTGTGTGACGCTTG	143	1.5
	P6IR6*	CAGGAGAAGAGAAATCAGGCT		
8	P6D8	CGGCGTGCTACATCCTCATGA	163	1.15
	P6IR7*	CAGGAGAAGAGAAATCAGGCT		
9	P6IF8	GACCCTCAGGACTCATCTCG	217	1.35
	P6IR8*	TAGCTGTGTGTCTTCCTCGG		
10	P6IF9*	GGAGCACAAGTCCTCAGTGG	211	2.1
	P6IR9	GCCTTGAAGATAGGCTGGTAG		
11	P6IF10*	TTCGGTCTTCTGTGACATGAG	323	2.75
	P6IR10b	GTCAGATTGGAAGTAGAAGGCA		
12	P6IF11	ATGATTGAAATTGGAGGAGGG	192	1.5
	P6IR11*	GCTTGCTGATGATTGGAGCCA		
13	P6IF12*	CCCTCACCCACAACAACCTCC	180	2.2
	P6IR12	AAATTCAGCTGACTTGGCTAC		
Control	DSCR1-E5F	GTCAAGGGTCATATGCAGGTA	247	1.9
(DCSR1)	DSCR1-E5R*	GAACCCAACCTCACCTGAGCA		