

File name: Supplementary Data 1

Description: Sequences of oligos used in molecular cloning during this work.

Oligo name	Sequence
Go/i mutations	
Go_i_I28E_Fw	aggatggcgagagcgccgccaagac
Go_i_I28E_Rv	gcggcgctctcgccatcctctttgaggtttt
Go_i_N194D_Fw	cattcaaggatctccacttcaggctgtttgac
Go_i_N194D_Rv	gaagtgagatccttgaatgtgaagtgggtt
Go_i_V334F_Fw	acatccagtttgttgcagcggctcac
Go_i_V334F_Rv	tcgaacacaaaactggatgtattcgtgtctgtg
Go_I_G350D_Fw	acctccgggattgcggtgtactgat
Go_i_G350D_Rv	aagccgcaatcccggaggttgtggc
Go_i_Y354F_Fw	gcggttgtttgatagctcgagtctagag
Go_i_Y354F_Rv	agctatcaaaacaagccgagccccg

D3R alanine mutations	
D3_V86A_Fw	cttggtgatgccctgggccgtatacctggaggtgacagg
D3_L89A_Fw	cttggtgatgccctgggtgtatacggcagggtgac
D3_E90A_Fw	cttggtgatgccctgggtgtatacctggcggtagacagg
D3_Rv_85_94	cccagggcatcaccaaggtggccaccagc
D3_S192A_Fw	caaccctgattttgcatctacgcctcagtggtgtc
D3_S193A_Fw	caaccctgattttgcatctactctgccgtgggtgtc
D3_S196A_Fw	caaccctgattttgcatctactctcagtggtggccttctacct
D3_Rv_192_196	gtagatgacaaaaatcagggttgagatggagcag
D3_F106A_Fw	gccgcatttgctgtgatgttggcgtcacctgg
D3_D110A_Fw	gccgcatttgctgtgatgtttgtcaccctggccgtcatga
D3_V111A_Fw	gccgcatttgctgtgatgtttgtcaccctggatgccatgatg
D3_Rv_106_111	aacatcacagcaaatgaggctgaaattc
D3_S182A_Fw	ggggacccactgtctgcgccatctcc
D3_I183A_Fw	ggggacccactgtctgctccgcctccaacc
D3_Rv_182_183	gacagtggggtcccctgtggtattaaag
D3_F345A_Fw	tgtctgctggctgccgccttctgacct
D3_F346A_Fw	tgtctgctggctgcccttgcctgacct
D3_Rv_345_346	gggcagccagcagacaatg
D3_T368A_Fw	ccagagctttacagtgccgccacatggctgg
D3_W369A_Fw	ccagagctttacagtgccacgacagccctgggctacgtg
D3_Rv_368_372	ggcactgtaaagctctggggacacgtggcatg
D3_P362A_Fw	cagacatgccacgtgtccgccgagctttacag
D3_Y365A_Fw	cagacatgccacgtgtccccagagcttggcagtgccac
D3_Rv_362_365	ggacacgtggcatgtctggcagtg
D3_deltaG94_Fw	gtatacctggaggtgacaggtgtctggaattcagccgc
D3_deltaG94_Rv	acctgtcacctccaggtataccac
D3_H29A_Fw	cagccaggcccggccagccgcctactatgcctctcctac
D3_H29_Rv	ggctgggcccggcctggctggcacc
D3_Y373A_Fw	ccagagctttacagtgccacgacatggctgggcccgtgaatag
D3_Rv_368_373	ggcactgtaaagctctggggacacgtggcatg
D3_T115A_Rv	tgacatccaggggtgacaaaaacatcacagcaaatgaggct

D3_T115A_Fw

ttttgtcacctggatgtcatgatgtgtgccgccagcat

D3_W342A_Fw	tgtgcttggggccttcattgtctgcgccctgcccttcttc
D3_W342A_Rv	atgaaggccccaagcacaatggccaccatttg
D₂R alanine mutants	
D2_Y408A_Fw	gtgattgcaacattccaccagtgctcgccagcgctttac
D2_Y408A_Rv	ctggtggaatgttgcaatcacaatgaatgttcaggatgtg
Additional D₃R H29^{1.32} mutants	
H29R_Fw	cagccaggcccgcccaagagcctactatgccctctctac
H29F_Fw	cagccaggcccgccattcgctactatgccctctctac
H29K_Fw	cagccaggcccgcccaaggcctactatgccctctctac
H29_Rv	tgggcgggcctggctggcacctgtgga

