

S2 Table

pat-3 sgRNA #2 ATGGGATACGGTAAGTGACA CGG
on-target locus: chrIII:+3909295

Possible Off-target Sequence	Off-target Hit Scores	Mismatches	Chromosome	Gene name	Forward Primer		Reverse Primer		Sequencing
ATGTGATGCGGTGAGTGACATGG	1.1	3MMs [4:8:13]	II	gcy-19	OMW520	GGAGATATAGGCCACCTGTCAAAG	OMW521	GTGGATCAATATGGAGCTCTCGTG	OK
ATGTGAGAGAGTAAGTGACATAG	0.5	4MMs [4:7:9:10]	II	abts-3	OMW522	CTACCAATTCGCAGTCCATCAGTTC	OMW523	CCAGATGTCTTGATCCTAGCGAAC	OK
ATGTGAATCGGGAAGTGACACGG	0.5	4MMs [4:7:8:12]	III	C35D10.8	OMW524	CAACGAACGCAATCTCCTAGTCAC	OMW525	CGGGTGATTTTCTGACTTGTCCG	OK
ATGCCACACGGTAAGTAACATAG	0.4	4MMs [4:5:7:17]	IV	n.n.	OMW526	GGATGTTCAAACTCCACAGTATTC	OMW527	GTCAAATGCCCTTCAAGTAGAGGG	OK
ATGGGTTAAGGTAAGTGAGAGAG	0.4	3MMs [6:9:19]	IV	ZK792.1	OMW528	CGAGACCTAAGAGATCACCATTAC	OMW529	GTAGGTAGTACCTACTAGGCACAG	OK
ATTAGATACGGAAGTGAAAAGG	0.2	4MMs [3:4:12:19]	I	pgp-2	OMW530	CATTCTAGGATTGCCAGATGTAGG	OMW531	CACTGACGATCGCAATGACGTCAC	OK

pat-3 sgRNA #4 AAGGATAAAAACTATTTAGT TGG
on-target locus: chrIII:-3909422

Possible Off-target Sequence	Off-target Hit Scores	Mismatches	Chromosome	Gene name	Forward Primer		Reverse Primer		Sequencing
AAGTATAAAAACTATTAAGTAGG	4.3	2MMs [4:17]	X	C37E2.3	OMW532	GCCCAGAATGGTAGTTCATCATTCC	OMW533	CATCCATGATGTCGAGTTGCTTGG	OK
AAAATTA AAAACAATTTAGTTGG	0.6	4MMs [3:4:5:13]	I	n.n.	OMW534	GGTAACAGTTTAAAGCCAACAGGC	OMW535	GAATGAAACGTTGACTGTTGCCGC	OK
AATGTTTAAAACTATTATTAAAG	0.3	4MMs [3:5:7:19]	IV	n.n.	OMW536	CTTTGGTACCCGGATGTCAGGAAATG	OMW537	GACATTGGAGAATCAGACGGACGAG	OK
GATAATAAAAACTATTTGTAGG	0.3	4MMs [1:3:4:18]	II	C08G5.1	OMW538	CGGTAATTTCCAGACGTAGTTGATAG	OMW539	GTCTCAAATGGCACAAGAAACAGCG	OK
TAGGACAAAAAGTATTAGGGGG	0.2	4MMs [1:6:12:20]	V	F53F8.10	OMW540	GTTTGCCGATCACCATCACTTTGC	OMW541	CAGGCGTTTGGAGACCATCTATCG	OK
TAGAATAAAAACTATTGAATTAG	0.2	4MMs [1:4:17:19]	V	n.n.	OMW542	CAGACGTGTCAGACAAGGATGCAC	OMW543	GATAAGACACGCAAGGCTGGGC	OK
AAGGCAAAAAAGTATTAGGGGG	0.2	4MMs [5:6:12:20]	V	n.n.	OMW544	CTTGATGACTTCCACATCTTGCG	OMW545	CAGCCAGTTGGACAACACATTGAAG	OK
AAATATAAAACCATTTAATAAG	0.2	4MMs [3:4:13:19]	II	n.n.	OMW546	GTCAAGATTTGTGATTGGTTCTGCG	OMW547	CGGCAACTTGGTTTACGAACCTG	OK
AGAGAGAAAACTATTTGTTGG	0.2	4MMs [2:3:6:18]	III	n.n.	OMW548	CTCGCATCTTTGAACCTCAAACGC	OMW549	CTAATTGTCCAGGTACTCCAGC	OK