

Table S3: DUS variation oligonucleotides

primer name	RS ¹	sequence 3'→5' ²
OH3	<i>Sac</i> I	TAGACCGCGGTCAGGCGACCACGTTGCC
OH11_DUS	<i>Xho</i> I	ACGACTCGAGAT GCCGTCTGAAAT GGCTAAAAACGGAGGAT
9636OHA11_DUS_B	<i>Xho</i> I	ACGACTCGAGTT GCCGTCTGAAAT GGCTAAAAACGGAGGAT
9637OHA11_DUS_C	<i>Xho</i> I	ACGACTCGAGA AAGCCGTCTGAAAT GGCTAAAAACGGAGGAT
9638OHA11_DUS_D	<i>Xho</i> I	ACGACTCGAGAT CCCGTCTGAAAT GGCTAAAAACGGAGGAT
9639OHA11_DUS_E	<i>Xho</i> I	ACGACTCGAGAT GACGTCTGAAAT GGCTAAAAACGGAGGAT
9640OHA11_DUS_F	<i>Xho</i> I	ACGACTCGAGAT GCAGTCTGAAAT GGCTAAAAACGGAGGAT
9641OHA11_DUS_G	<i>Xho</i> I	ACGACTCGAGAT GCCCTCTGAAAT GGCTAAAAACGGAGGAT
9642OHA11_DUS_H	<i>Xho</i> I	ACGACTCGAGAT GCCGGCTGAAAT GGCTAAAAACGGAGGAT
9643OHA11_DUS_I	<i>Xho</i> I	ACGACTCGAGAT GCCGTGTGAAAT GGCTAAAAACGGAGGAT
9644OHA11_DUS_J	<i>Xho</i> I	ACGACTCGAGAT GCCGTCTGAAAT GGCTAAAAACGGAGGAT
9645OHA11_DUS_K	<i>Xho</i> I	ACGACTCGAGAT GCCGTCTCAAAT GGCTAAAAACGGAGGAT
9646OHA11_DUS_L	<i>Xho</i> I	ACGACTCGAGAT GCCGTCTGTAAT GGCTAAAAACGGAGGAT
9647OHA11_DUS_M	<i>Xho</i> I	ACGACTCGAGAT GCCGTCTGACAT GGCTAAAAACGGAGGAT
9648OHA11_DUS_N	<i>Xho</i> I	ACGACTCGAGAG GCCGTCTGAAAT GGCTAAAAACGGAGGAT
9649OHA11_DUS_O (mucDUS)	<i>Xho</i> I	ACGACTCGAGAG GTCTGCTGAAAT GGCTAAAAACGGAGGAT
9650OHA11_DUS_P (kingDUS)	<i>Xho</i> I	ACGACTCGAGAG GCAGCCTGAAAT GGCTAAAAACGGAGGAT
9651OHA11_DUS_Q (eikDUS)	<i>Xho</i> I	ACGACTCGAGAG GCTACCTGAAAT GGCTAAAAACGGAGGAT
OHA2025_USS_Hinfrev	<i>Xho</i> I	ACGACTCGAGT GCCGTGAAAT GGCTAAAAACGGAGGAT
OHA2024_USS_Hinf	<i>Xho</i> I	ACGACTCGAGAA AGTGCGGT GGCTAAAAACGGAGGAT

¹ = restriction site

² = DUS and mutated DUS sequences in bold