

Additional File 6

MH1 Chimera

Number	Region	Description	5'-3' Sequence
1	X MH1	F X start region	ATG TCC TCG ATT TTG CCA TTC CCC CAC CA
2		R X MH1 end + N linker start	GAA GAA CTG GTG TCT CTA CCC TCT CAT AAT
3	N Linker + MH2	F X MH1 end + N linker start	GGT AGA GAC ACC AGT TCT TCC ACC AGT GTT
4		R N end region	TCA CGA GAC AGA GGA GCA GGG GGC AGA GGG

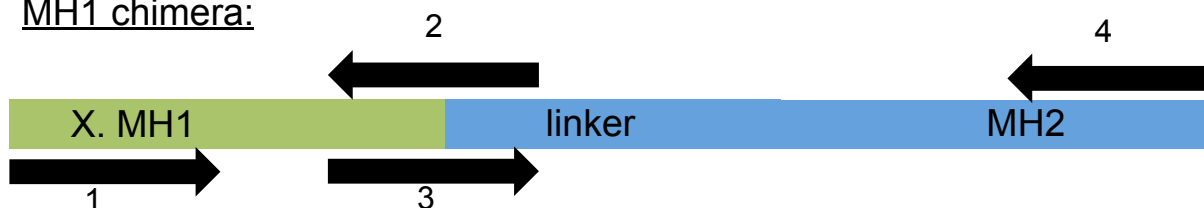
Linker Chimera

Number	Region	Description	5'-3' Sequence
5	N MH1	F N start region	ATG ACT TCC CTG TTG CCT TTT ACT CCT CCA
6		R N MH1 end X linker start	GTA AAA CTG GAG TCT CAA CCC GCT GGT AGT
7	X Linker	F N MH1 end + X linker start	GGT TGA GAC TCC AGT TTT ACC GCC GGT ATT
8		R X linker end + N MH2 start	TGG CTC TGT ATA GGT GAC AGG TTG CAA ATC
9	N MH2	F X linker end + N MH2 start	CTG TCA CCT ATA CAG AGC CAA CAT ACT GGT
4		R N end region	Same as 4

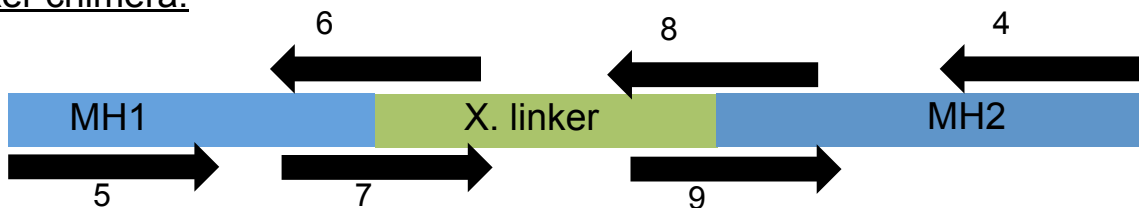
MH2 Chimera

Number	Region	Description	5'-3' Sequence
5	N MH1 + Linker	F N start region	Same as 5
10		R N linker end + X MH2 start	AGG TTC CGA ATA CTG TAT AGG CTG TGC ATC
11	X MH2	F N linker end + X MH2 start	CTA TAC AGT ATT CGG AAC CTG CTT TTT GGT
12		R X end region	TTA GGA CAT GCT TGA GCA GCG GAC TGA AGG

MH1 chimera:



Linker chimera:



MH2 chimera:

