

Enzyme	Primer sequence (5' – 3')	Restriction site added	Plasmids cloning sites	Fusion protein
CrSTR (352 AA)	STR-BglIII GCAGATCTGATGGCAAACCTTTTCTGAATCTAAATCC	<i>BglIII</i>	pSCA-cassette-GFPi <i>BglIII - SpeI</i>	STR-GFP (1-352)
	STR-SpeI GCACTAGTGTCTAGAAACATAAGAATTTCCCTTGTTA	<i>SpeI</i>		
	STR-peptide for GCAGATCTGATGGCAAACCTTTTCTGAATCTA	<i>BglIII</i>	pSCA-cassette-GFPi <i>BglIII - SpeI</i>	sp(SPIL)-GFP (1-41)
	STR-peptide-SPIL GCACTAGTTTCAATAAAAAATCTTTTCAAATGG	<i>SpeI</i>		
	STR-peptide-SPIL-mut GCACTAGTTTCAATAAAAAATCTTTTCAACCCTGG <i>in association with STR-peptide for</i>	<i>SpeI</i>	pSCA-cassette-GFPi <i>BglIII - SpeI</i>	spmut(SPGL)-GFP (1-41)
	STR-del SPIL GCACTAGTATGAAAAAGATTTTTATTGAAAGCCCTTCC <i>in association with STR-SpeI</i>	<i>SpeI</i>	pSCA-cassette-YFPi <i>SpeI</i>	Δsp(SPIL)STR-GFP (36-352)
CrSGD (555 AA)	SGD-GFP-C-S GGCTAGAATGGGATCTAAAGATGATCAGTCC	<i>XbaI</i>	pSCA-cassette-GFPi pSCA-cassette-YFPi <i>SpeI</i>	SGD-GFP SGD-YFP (1-555)
	SGD-GFP-C-AS GCTCTAGAGTATTTTGTCTTCTTGACTAACTCAAC	<i>XbaI</i>		
	SGD-GFP-C-AS-stop GCTCTAGATTAGTATTTTGTCTTCTTGACTAACTC <i>in association with SGD-GFP-C-S</i>	<i>XbaI</i>	pSCA-cassette-GFPi pSCA-cassette-YFPi <i>NheI</i>	GFP-SGD YFP-SGD (1-555)
	SGD-del-S GGAGATCTGATGGGATCTAAAGATGATCAGTCC	<i>BglIII</i>	pSCA-cassette-GFPi <i>BglIII - SpeI</i>	SGDΔnls -GFP (1-536)
	SGD-del-AS GCACTAGTAGCTGTATTTCGTAACAAATCCTTC	<i>SpeI</i>		
	SGD-GFP-C-S <i>in association with SGD-del-AS</i>	<i>XbaI/SpeI</i>	pSCA-cassette-GFPi <i>NheI</i>	GFP-SGDΔnls (1-536)
	SGD-peptide_for GAGCTAGCAAAAAGAGATTCGAGAAGAAGATAAACTA	<i>NheI</i>	pSCA-cassette-GFPi- GUS <i>NheI</i>	GFP-GUS-nls (537-555)
	NLS-SGDrev2 GAGCTAGCGTACCTTAAAGAGCGGTTTCAGATCA	<i>NheI</i>		

Additional file 5: Detail of primer sequences and cloning procedure to generate CrSTR and CrSGD fusions proteins