

**S2 Table.** Candidate siRNAs sequence targeting the junctional region of *SS18-SSX* fusion gene

siRNAs	Sense (5' - 3')	Antisense (5' - 3')
SS siRNA #1	AGAUCAUGCCCAAGAAGCCtt	GGCUUCUUGGGCAUGAUCUtt
SS siRNA #2	CAGAUCAUGCCCAAGAAGCtt	GCUUCUUGGGCAUGAUCUGtt
SS siRNA #3	CCAGAUCAUGCCCAAGAAGtt	CUUCUUGGGCAUGAUCUGGtt
SS siRNA #4	ACCAGAUCAUGCCCAAGAAtt	UUCUUGGGCAUGAUCUGGUtt
SS siRNA #5	GACCAGAUCAUGCCCAAGAtt	UCUUGGGCAUGAUCUGGUCtt
SS siRNA #6	UGACCAGAUCAUGCCCAAG tt	CUUGGGCAUGAUCUGGUCAtt
SS siRNA #7	AUGACCAGAUCAUGCCCAAtt	UUGGGCAUGAUCUGGUCAUtt
SS siRNA #8	UAUGACCAGAUCAUGCCCAtt	UGGGCAUGAUCUGGUCAUAtt
SS siRNA #9	AUAUGACCAGAUCAUGCCctt	GGGCAUGAUCUGGUCAUAUtt
SS siRNA #10	GAUAUGACCAGAUCAUGCCtt	GGCAUGAUCUGGUCAUAUCtt
SS siRNA #11	GGAUAUGACCAGAUCAUGCtt	GCAUGAUCUGGUCAUAUCCtt
SS siRNA #12	UGGAUAUGACCAGAUCAUGtt	CAUGAUCUGGUCAUAUCCAtt
SS siRNA #13	AUGGAUAUGACCAGAUCAUtt	AUGAUCUGGUCAUAUCCAUtt
SS siRNA #14	UAUGGAUAUGACCAGAUCAtt	UGAUCUGGUCAUAUCCAUAtt
SS siRNA #15	UUAUGGAUAUGACCAGAUc	GAUCUGGUCAUAUCCAUAAtt
SS siRNA #16	CUUAUGGAUAUGACCAGAUtt	AUCUGGUCAUAUCCAUAAGtt