

**Table S2: EC<sub>50</sub> Values of Parental and Modified Decoys**

Agent	Hours	EC <sub>50</sub> values		
		UMSCC-1 (nM)	UM-22B (nM)	T-24 (nM)
Parent STAT3 decoy	24	11.4	11.6	8.5
DN4	24	69.6	71.4	60.1
DS18	24	30	12.4	15.8
Cyclic STAT3 Decoy	24	16.7	25.2	9
Parent STAT3 decoy	48	10.3	14.5	7.2
DN4	48	46.2	61.6	24.6
DS18	48	24.5	20.1	14.5
Cyclic STAT3 Decoy	48	14.7	36.6	9.8
Parent STAT3 decoy	72	11.4	10.1	7.5
DN4	72	42.5	62.1	26.2
DS18	72	22.9	19.3	9.6
Cyclic STAT3 Decoy	72	11.2	26.2	9

**Supplementary Table S2**