

Supplemental Table 1. Sequences of siRNAs and RT-PCR primers

Target	siRNA sequences
Human <i>SPINT1</i> (HAI-1)	5'-CUGCAAGAGUUUCGUUUAU 5'-UUGACGAGCUCCAGCGCAU 5'-GAACAACUACCUUCGGGAA 5'-ACCCAGAGGACACGGCCAA (a pool of four siRNAs)*
Human <i>F2RL1</i> (PAR-2)	5'-GCAGAGGUAUUGGGUCAUC 5'-GCAAGUAUCCCUCACCUCA 5'-GGGAAGCUCUUUGUAAUGU 5'-UGGGAGACAUGUUCAAUUA (a pool of four siRNAs)*
Human <i>ST14</i> (Matriptase)	5'-GCGUGUACACAAGGCUCCCUCUGUU
Target	Primer sequences**
HGF	forward, 5'-TGGGAAATGAGAAATGCAGCCAGC reverse, 5'-CAGTTGTATTGGTGGGTGCTTCAG
c-MET	forward, 5'-AACTGGTGTCCCGGATATCA reverse, 5'-TGGCAAGAGCAAAGAATATCG
PAR-2	forward, 5'-GGGTTTGCCAAGTAACGGC reverse, 5'-GGGAACCAGATGACAGAGAGG
uPA	forward, 5'-GCCATCCCGGACTATACAGA reverse, 5'-AGGCCATTCTCTTCCTTGGT

*: siRNAs pool (ON-TARGETplus SMARTpool siRNA, Thermo Scientific)

** : Primer sequences for HAI-1, HAI-2, matriptase, TMPRSS13, TMPRSS4, prostatic, and GAPDH were described in reference No. 30.