

Strain ID	MT1434	MT1435
Strain Name	hps1(del13)	Tango-hps1(del14)

Mutated Gene	hps1 (Hermansky-Pudlak Syndrome 1)	
Linkage Group	chr.15	
GenBank Accession No. for cDNA	XM_023963410.1	
Nucleotide Change (WT > MT)	TGGTGACCCTCAG>del	GAGATCCTCTTCA>del
Location of mutated nucleotide in wild-typegenomic sequence	AAGATGACTGAAGTGATGTTTGGCA(TGGTGACCCTCAG>del)CGGTAGCCTCCTCAGAAAAGA	ATGAAGTGCCTGCTGATAGCCAGTGAGAGCGCA(GAGATCCTCTTCA>del)CTGGACCGATCA

Forward primer sequence (5'-3')	CAGTTCGATGAGTGTCTCTAC	CGGGACTCAAGAGCATCTG	
Reverse primer sequence (5'-3')	TGAACCACGTTGTAGCGAGG	GAAATTCCTGATCGGTCCAG	
PCR Product Size (bp)	MT	378	81
	WT	391	95
PCR Reaction Conditions	EmeraldAmpR PCR Master Mix (Takara Bio)		
Thermocycler Program	95 °C 1 min (95 °C, 10 sec, 59 °C 30 sec, 72 °C 30 sec) x 40 72 °C 1 min		
PCR Product Sequence	CAGTTCGATGAGTGTCTCTACATTGCTGTGAACGGT GACGGTGAGGAGAAGGAGGATGATTTGAGGAGAAAG CTCTATGTGCTGAGAAAGATGACTGAAGTGATGTTT GGCA(TGGTGACCCTCAG>del)CGGTAGCCTCCTCAG AAAAGAGTAAAACACCGTTTTGTGCAGCAATTTAAC TCCTGCCGGTGCACGCTGGAGCTTTTGGTTGATGTA AAATCTGTATTGTTTGTTCAGACTGCGTCCTCAGG ATACAGAACAAGAGTGAGGCTGTGGAAACATCTGC AGAGCCTCGTAGAGACCTACAACCTCAGAGAGA GTGACCAGAGTTTCTTAGTGGAGGTCAATAAGTACA TTGTTAAAGTGCCCCTCGCTACACGTGGTTCA	CGGGACTCAAGAGCATCTGTGGTCCAGATGAAGT GCCTGCTGATAGCCAGTGAGAGCGCA(GAGATCCTC TTTCA>del)CTGGACCGATCAGGAATTTTC	