

Table S1 Primers information

Sanger sequencing		
PNKD-Seq-F	5'-GGTCACCAAAGGAATGGAGA-3'	
PNKD-Seq-R	5'-AAGGGTCAGCCCTCTCTAGC-3'	
PNKD transcript-F	5'-GCCACAGCTAACAAGGCTTC-3'	
PNKD transcript-R	5'-TTCAATGGAAGCCTGCACAG-3'	
RT-qPCR		
PNKD(L)-F	5'-GCCACAGCTAACAAGGCTTC-3'	Exon 2
PNKD(L)-R	5'-GGCCTTTAGGGTAGCGATTC-3'	Exon 5
PNKD(M)-F	5'-GCTCCTCCTCGTCCTTGTC-3'	Exon 4
PNKD(M)-R	5'-AGGTACCCGAGCCAGGTG-3'	Exon 5
PNKD(S)-F	5'-CCTGGGCCATCGGCTT-3'	Exon2 and Exon 3
PNKD(S)-R	5'-GCTCTCATACTCGCCCGTGT-3'	Exon 3
RIMS1 α -F	5'-GCCATGCTCAAGTGTGTTGT-3'	
RIMS1 α -R	5'-ATTCCACAAGTCGGAGCATC-3'	
GAPDH-F	5'-ACCACCAACTGCTTAGCACC-3'	
GAPDH-R	5'-ATGATGTTCTGGAGAGCCCC-3'	
Molecular Cloning		
FLAG-PNKD-F	5'TCCCGATATCCCGATGGACTACAAAGACGATGACGACAAG AT GGCGGCGGTGGTAGCTGC-3'	
FLAG-PNKD-R	5'-TCTCCCCTCGAGTCACTTGCTCTTGTGCATATCCTTC-3'	
PNKD-Myc-F	5'-TCTCCCGATATCCCGATGGCGGCGGTGGTAGCTGC-3'	
PNKD-Myc-R	5'-CCTCGAGTTACAGATCCTCTTCTGAGATGAGTTTCTGCTCCTTGC TCTTGTGCATATCCT-3'	
LNCX_F	5'-AGCTCGTTTAGTGAACCGTCAGATC-3'	
BGH_R	5'-TAGAAGGCACAGTCGAGG-3'	