

Supplementary Table S1. shRNA oligos

NSD1 shRNA oligo 1 fw	CCGG CCGAGACGTCTCAGGTAAATCCTCGAGGATTAACCTGAGACGTCTCGGTTTTT
NSD1 shRNA oligo 1 rev	AATT AAAAACCGAGACGTCTCAGGTAAATCCTCGAGGATTAACCTGAGACGTCTCGG
NSD1 shRNA oligo 2 fw	CCGG AGGAGTGGATGGGACATATAACTCGAGTTATATGTCCCATCCACTCCTTTTTT
NSD1 shRNA oligo 2 rev	AATT AAAAAAGGAGTGGATGGGACATATAACTCGAGTTATATGTCCCATCCACTCCT

Table S2. PCR primer sequences for ChIP-assay

Gene symbol	Sequence	Supplier
PIP4K2B (-1409)	5'-CCAGCCTGGGTGACAGAGCG-3'	Integrated DNA Technologies
	3'-CGCCCAGCTAATGTGCGGGT-5'	
PIP4K2B (-1009)	5'-CACCTGTGGAGTACCGTGTT-3'	Integrated DNA Technologies
	3'-GAGCTGGTTACCGTGTGGTT-5'	
PIP4K2B (-1)	5'- CATGTCGTCCAACCTGCACCAG -3	Integrated DNA Technologies
	3'-GAGCTGGTTACCGTGTGGTT-5'	
PIP4K2B (+29596)	5'- GCAGCCTCCTGATTGGGGCA -3'	Integrated DNA Technologies
	3'- CTCCCGATCCCCGACCCCAT -5'	

Supplementary Table S3. siRNA sequences

Gene symbol		Supplier	Catalog number
PIP4K2B si1	5` - CAUGUUACGAUGAAUCUCCAACCTG - 3`	Integrated DNA Technologies	#309482066 (hs.Ri.PIP4K2B. 13.1)
	3` -ACGUACAAUGCUACUUAGAGGUUGGAC -5`		
PIP4K2B si2	5` - AUUGAUGAUCAGGAUUACCAGAATT -3`	Integrated DNA Technologies	#309482069 (s.Ri.PIP4K2B.1 3.2)
	3` - CUUAACUACUAGUCCUAAUGGUCUUA-5`		