Supplementary Table S6. Summary of miR-582-5p and -3p target site.

Gene	Target site
KCNC1-site-1	1 3'ucauugaccaacuuguUGACAUu 5' hsa-miR-582-5p | | | | | | 4117:5'aggccuuuccagucucACUGUAc 3' KCNC1
KCNC1-site-2	1 3' ccaagucaacaaguuGGUCAAu 5' hsa-miR-582-3p | | | | | | 5806:5'gggagggagaaugccCCAGUUu 3' KCNC1 2 3' ucauugaccaacuuguUGACAUu 5' hsa-miR-582-5p | | | | | | 6655:5'auuugucgagaaacgcACUGUAc 3' KCNC1
PGGT1B	1 3' ucaUUGACCAACUUGUUGACAUu 5' hsa-miR-582-5p : | : | | | | | | : | | | | | | | | 1179:5'gggGAUUUGUAGCAUAACUGUAg 3' PGGT1B 2 3' ucauugaccaacuuguUGACAUu 5' hsa-miR-582-5p | | | | | | 1370:5'guucuuaaauguuuauACUGUAu 3' PGGT1B 3 3' ucaUUGACCAACUU----------GUUGACAUu 5' hsa-miR-582-5p | : : | | | | | | : : | | | | | | | | 1398:5'agaAGUUGUUUGAGGCAAAUUAACUGUAu 3' PGGT1B 4 3' ucauugaccaacUUG----UUGACAUu 5' hsa-miR-582-5p | | | | | | | | | | | 1807:5'ugagggaaaagcAACUUAACUGUAu 3' PGGT1B 5 3' ccAAGUCAACAAGU--UGGUCAAu 5' hsa-miR-582-3p | | | | | | | | | | | | | | | | 1881:5'auUGCUGUGGUGAAUACCAGUUa 3' PGGT1B 6 3' ucaUUGAC- CAACUUGUUGACAUu 5' hsa-miR-582-5p | | | | | | | | : | | | | | | | | | 2640:5'uaaACCUGAGUUUGCCAACUGUAu 3' PGGT1B
LRRK2	1 3' ccaagucaacaaguUGGUCAau 5' hsa-miR-582-3p | | | | | | 7854:5'auguaaaaauacuuACCAGUaa 3' LRRK2 2 3' ccAAGUCAACAAGU- UGGUCAAu 5' hsa-miR-582-3p | | | | | | | | | | | | | | | | 7919:5'auUUC----UUAUAAAUACCAGUUa 3' LRRK2 3 3' ucauugACCAACUUGUUGA- CAUu 5' hsa-miR-582-5p | | | | : | | | | | | | | | | 8915:5'ucccugUGAUAGGACAACUAGUAc 3' LRRK2

RAB27A	1	3’ucauugaccaacuuguUGACAUu 5’ hsa-miR-582-5p | | | | | | 2001:5’aagcagucacauuuguACUGUAg 3’ RAB27A
	2	3’ ucauugaccaacuuguUGACAUu 5’ hsa-miR-582-5p | | | | | | 2070:5’gagcucaugagcauuuACUGUAc 3’ RAB27A
	3	3’ ucaUUGACCAACU-- UGUUGACAUu 5’ hsa-miR-582-5p | | | | | | : | | | | | | | | 2350:5’ggcAAAUGUUUGGUAGAACUGUAa 3’ RAB27A
	4	3’ ucauugaccaacuugUUGACAUu 5’ hsa-miR-582-5p | | | | | | | 2440:5’ auauucauguaucuaAACUGUAc 3’ RAB27A
DIXDC1-site-1	1	3’ ucAU- UGA- CCAACUUGUUGACAUu 5’ hsa-miR-582-5p | | | | | | | | | | | | | | | | 2948:5’gcUACACUAUGCU- AA--AACUGUAa 3’ DIXDC1
	2	3’ucauugaccaacuuguUGACAUu 5’ hsa-miR-582-5p | | | | | | 3867:5’uucucacauucuguauACUGUAu 3’ DIXDC1
	3	3’ ccaagucAACAAGUU--GGUCAAu 5’ hsa-miR-582-3p | | | | : | | | | | | | 4028:5’gguaguuUUGUGUAAUCCAGUUg 3’ DIXDC1
	4	3’ ccaAGUCA- ACAAGUUGGUCAAu 5’ hsa-miR-582-3p | | | | | | | | | | | | | | | | 4370:5’augUCUGUCUCUUAAACCAGUUu 3’ DIXDC1
DIXDC1-site-2	1	3‘ ccaagUCAACAAGUUGGUCAAu 5' hsa-miR-582-3p | | | | | | | | | | | 5799:5‘aucaaAG-- UGAU--AACCAGUUu 3' DIXDC1