

A) Calcium response

i) Statistics

Time (min)	Ctrl vs PD-R272Q	iCtrl vs PD-R272Q	Ctrl vs iCtrl
0 to 66	ns	ns	ns
68 to 70	*	ns	ns
72 to 230	**	ns	ns
232 to 438	**1	*2	ns
440 to 492	*	*3	ns
494 to 600	*	ns ⁴	ns

*p < 0.05, **p < 0.01, ns non-significant;

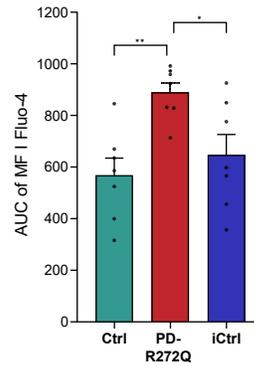
¹ min 434 p=0.0101, min 430 p=0.0103, min 426 p=0.0104, min 422 p=0.0108;

² min 428 p=0.0511, min 420 p=0.0502, min 340 p=0.0501, min 296 p=0.0515, min 290 p=0.0509, min 268 p=0.0504, min 266 p=0.0529, min 262 p=0.051;

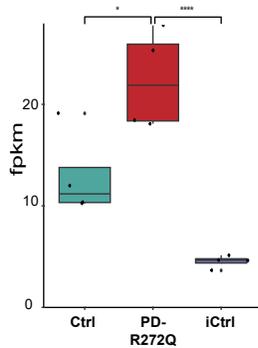
³ min 490 p=0.0525, min 484 p=0.0516, min 482 p=0.0504, min 478 p=0.0511, min 476 p=0.051, min 470 p=0.0502, min 460 p=0.0517, min 458 p=0.056, min 446 p=0.0515;

⁴ min 534 p=0.0489, min 516 p=0.0485, min 512 p=0.0487, min 504 p=0.0495, min 500 p=0.0489, min 498 p=0.0492.

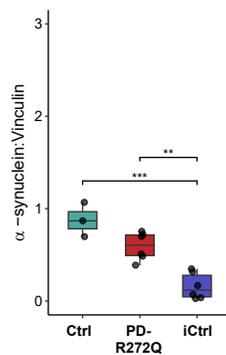
ii) Area under the curve



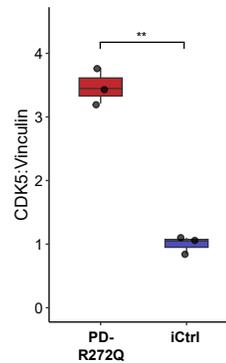
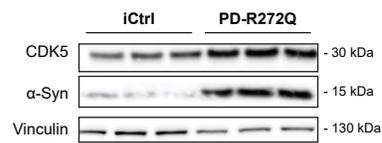
B) SNCA expression



C) Total α-Synuclein (Vinculin)

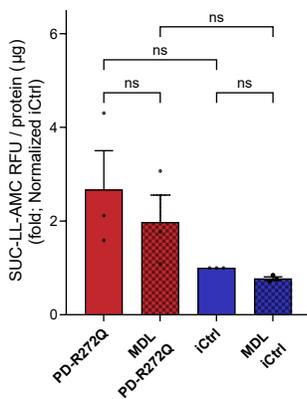


E) CDK5



D) Calpain activity

i) Suc-LLV-AMC



ii) Suc-LLV-AMC (no calcium)

