











		Ctrl vs MPP+	Ctrl vs Rotenone	Ctrl vs MPP+	Ctrl vs Rotenone
		$p = 0.0039$	$p = 0.0017$	$p = 0.0001$	$p = 0.0007$
<b>Figure S1</b>	One-way ANOVA	Figure S1A			
		10% FBS		RA+ (FBS)	
		RA- vs RA+	10% vs 5%	10% vs 3%	10% vs 2%
		$p = < 0.0001$	$p = 0.7768$	$p = 0.9994$	$p = 0.6792$
			10% vs 1%	5% vs 3%	5% vs 2%
			$p = 0.6708$	$p = 0.5994$	$p = > 0.9999$
			5% vs 1%	3% vs 2%	3% vs 1%
			$p = > 0.9999$	$p = 0.4982$	$p = 0.4901$
			2% vs 1%		
			$p = > 0.9999$		
		Figure S1D			
		0 d vs 1 d	0 d vs 2 d	0 d vs 3 d	0 d vs 4 d
		$p = 0.0072$	$p = < 0.0001$	$p = < 0.0001$	$p = < 0.0001$
		0 d vs 5 d	0 d vs 6 d	1 d vs 2 d	1 d vs 3 d
$p = 0.0475$	$p = 0.6385$	$p = 0.0197$	$p = 0.0271$		
1 d vs 4 d	1 d vs 5 d	1 d vs 6 d	2 d vs 3 d		
$p = 0.0378$	$p = 0.9358$	$p = 0.1430$	$p = > 0.9999$		
2 d vs 4 d	2 d vs 5 d	2 d vs 6 d	3 d vs 4 d		
$p = > 0.9999$	$p = 0.0030$	$p = 0.0002$	$p = > 0.9999$		
3 d vs 5 d	3 d vs 6 d	4 d vs 5 d	4 d vs 6 d		
$p = 0.0041$	$p = 0.0002$	$p = 0.0057$	$p = 0.0003$		
5 d vs 6 d					
$p = 0.5894$					

$\alpha$ -syn,  $\alpha$ -synuclein; Ctrl, control

**Table S2.** The differentially expressed genes in the 3D cultures compared to the 2D cultures by RNA-sequencing analyses (fold change > 2 and  $p < 0.05$ )

[Click here to download Table S2](#)