

SUPPLEMENTARY TABLE S3. MOLECULAR PROFILING IN EACH 5-STAGE DOPAMINERGIC DIFFERENTIATION EXPERIMENT FOR THE MILESTONE-RELATED MARKERS. VALIDATION EXPERIMENTS

ES cell line	Experiment	Stage II			Stage III			Stage IV			Stage V					
		Pax6	Sox1	Nestin	%Nestin	Dcx	Tau	%Tau	Otx2	%Otx2	Th	Dcx	Tau	%Tau	%Th+ /Tau+	Outcome
B6G-eGfp	7	9	8.2	9.9	9.3±3.3	6.8	10.4	4.2±1.8	5.7	15.1±3.3	7.8	3.4	3.4	26.5±10.4	11.4±3.4	+
B6G-eGfp	8	10.2	9	10.1	10.1±4.7	7.3	11.5	2.1±1.9	5.5	15.8±2.9	7.7	2.5	2.3	34.3±8.7	10.5±2.6	+
B6G-eGfp	9	9.7	8.3	10.3	8.5±4.5	6.8	11.1	2.8±2.4	4.8	17.2±3.8	7.1	4.2	3.8	24.3±7.5	12.1±4.1	+

For quantitative RT-PCR data, levels of expression are presented as ΔCt for each experiment. $\Delta Ct > 14$ is considered as not detected. For quantitative immunostaining, data represent percentages of positive cells relative to the nuclei stained with DAPI or relative to Tau-positive cells (for Th counting) and are presented as mean \pm SEM, $n=3$.