Supplementary Table S2. Molecular Profiling in Each 5-Stage Dopaminergic Differentiation Experiment for the Milestone-Related Markers. Initial Experiments for 2 Mouse Embryonic Stem Cell Lines (E14tg2a and B6G-eGfp)

		Stage II				*Stage III*			*Stage IV*		*Stage V*					
ES cell line	*Experiment*	*Pax6*	*Sox1*	*Nestin*	%Nestin	*Dcx*	*Tau*	%Tau	*Otx2*	%Otx2	*Th*	*Dcx*	*Tau*	%Tau	%Th+/Tau+	Outcome
B6G-eGfp	1	9	7.3	9.7	10.0±3.5	6.3	11.4	2.2±1.9	4.8	16.5±4.0	7.5	3.5	4.2	25.8±5.3	10.9±2.8	+
E14tg2a	2	9	7.2	10.7	7.7±2.4	6.8	10.6	3.5±1.8	5.8	15.3±2.8	7.2	2.7	2.4	32.5±3.2	14.3±3.3	+
E14tg2a	3	9.7	8.2	10	9.8±4.8	8.1	11.3	1.8±1.6	4.6	18.2±3.2	7.7	3.3	3.1	28.9±4.5	12.6±3.1	+
B6G-eGfp	4	6.1	5.2	8.2	24.7±6.1	2.8	5.2	12.7±4.1	6.7	9.2±2.1	12.3	5.0	5.3	15.0±5.2	2.8±2.5	–
B6G-eGfp	5	5.7	5.4	7.5	28.2±7.6	3.5	5.9	10.1±2.4	9.5	6.5±2.3	12.6	6.5	5.6	12.2±4.2	2.6±1.7	–
E14tg2a	6	5	4.6	8.4	22.5±8.9	3.9	6.3	11.8±4.3	6.7	9.5±1.9	13.7	4.7	5.6	13.4±8.4	1.9±1.5	–

For quantitative RT-PCR data, levels of expression are presented as ΔCt for each experiment. ΔCt >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±SEM, $n=3$.

ES, embryonic stem; eGfp, enhanced green fluorescent protein; DAPI, 4′, 6-diamidino-2-phenylindole; SEM, standard error of the mean; Th, tyrosine hydroxylase; RT-PCR, real-time-polymerase chain reaction.