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**Supplemental Information**

**Dynamic Ligand Discrimination  
in the Notch Signaling Pathway**

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### Supplementary Tables

*Supplementary Table 1. Genes up-regulated > 5-fold at 1h or 6h after DAPT washout, compared to untreated control, related to Figure 3.*

Highlighted genes are putative direct NICD targets (Castel et al., 2013).

Gene	Untreated (FKPM)	After DAPT washout (FKPM)	Time after DAPT washout
'8430408G22Rik'	0.351884	5.69606	1h
'Atf3'	0.374606	14.59	1h
'Btg2'	4.17528	84.4997	1h
'Csrnp1'	4.6935	24.1845	1h
'Ctgf'	212.877	1188.84	1h
'Dalrd3'	0	5.15402	1h
'Dusp1'	22.7818	254.212	1h
'Dusp2'	2.37563	22.9875	1h
'Egr1'	18.126	680.799	1h
'Egr2'	1.58322	58.7534	1h
'Egr3'	1.8697	49.0469	1h
'Errfil'	26.4629	162.512	1h
'Fos'	0.475391	18.5828	1h
'Fosb'	0.415128	16.8939	1h
'Has2'	12.6329	76.5841	1h
'Hes1'	22.4634	253.506	1h
'Ier2'	32.603	196.579	1h
'Klf2'	4.1184	25.6258	1h
'Med19'	0	11.3654	1h
'Mxd3'	0	31.4573	1h
'Nr4a1'	1.87277	185.989	1h
'Nt5c3l'	0	34.9025	1h
'Pisd-ps3'	0	10.5308	1h
'Polr3h'	0	15.0563	1h
'Prickle3'	0	7.29054	1h
'Rad54l'	0	6.94284	1h
'Rfc4'	0	20.9275	1h
'Rgs16'	1.99682	30.3236	1h
'Rpl26'	0	111.215	1h
'Sgk1'	51.0718	290.122	1h
'Sync'	0	20.309	1h
'Txnrd2'	0	10.2652	1h
'Zfp36'	13.9853	102.737	1h
'Alkbh1'	0	7.25156	6h

'Gpbar1'	0	6.54794	6h
'Has2'	12.6329	65.3957	6h
'Heyl'	1.87305	23.8542	6h
'Heyl'	0.315531	15.4937	6h
'Hr'	1.40471	7.85818	6h
'Il11'	0.10324	5.54274	6h
'Il6'	0.487057	10.0101	6h
'Inhba'	66.2761	493.125	6h
'Med19'	0	10.9802	6h
'Nrarp'	0.362193	15.0544	6h
'Ntn4'	1.53885	8.07718	6h
'Pkp1'	5.60393	39.8372	6h
'Polr3h'	0	17.3167	6h
'Rfc4'	0	19.8498	6h
'Rgs16'	1.99682	15.6184	6h
'Rpl26'	0	165.91	6h
'Sco2'	0	29.3184	6h
'Ttc19'	0	10.2361	6h
'Ubal2'	0	5.50867	6h