

Table S1: Idiopathic ASD patient-derived iPSC studies							
ASD patient	ASD Sample Size	iPSC->?	Correlation w/ Clinical Data	scRNAseq	Reference	PMID	Link
Idiopathic	1	Organoids	No	Yes	Jourdan et al. Nature Neuroscience 2023		<a href="https://doi.org/10.1038/s41593-023-01399-0">https://doi.org/10.1038/s41593-023-01399-0</a>
Idiopathic	8	NPC, Neurons	No	No	Marchetto et al. Molecular Psychiatry 2017	27378147	<a href="https://doi.org/10.1038%2Fmp.2016.95">https://doi.org/10.1038%2Fmp.2016.95</a>
Idiopathic	8	Neurons	No	No	Linker et al. Molecular Autism 2020	32591005	<a href="https://pubmed.ncbi.nlm.nih.gov/32591005/">https://pubmed.ncbi.nlm.nih.gov/32591005/</a>
Idiopathic & Syndromic	5 & 2	Astrocytes	No	No	Mansur et al. Int J Mol Sci. 2021	34299197	<a href="https://pubmed.ncbi.nlm.nih.gov/34299197/">https://pubmed.ncbi.nlm.nih.gov/34299197/</a>
Idiopathic	8	NPCs, Neurons	No	No	Li et al. Genes 2021	34946850	<a href="https://pubmed.ncbi.nlm.nih.gov/34946850/">https://pubmed.ncbi.nlm.nih.gov/34946850/</a>
Idiopathic	8	NPCs, Neurons	No	No	Ding et al. Am J Transl Res. 2021	34540009	<a href="https://pubmed.ncbi.nlm.nih.gov/34540009/">https://pubmed.ncbi.nlm.nih.gov/34540009/</a>
Idiopathic & Syndromic	4 & 3	NPC	No	No	Gomes et al. Front Neurosci. 2022	35360153	<a href="https://pubmed.ncbi.nlm.nih.gov/35360153/">https://pubmed.ncbi.nlm.nih.gov/35360153/</a>
Idiopathic & Syndromic	3 & 2	NPC	No	No	Connacher et al. Stem Cell Reports. 2022	35623351	<a href="https://pubmed.ncbi.nlm.nih.gov/35623351/">https://pubmed.ncbi.nlm.nih.gov/35623351/</a>
Idiopathic	1	Neurons	No	No	Song et al. Mol Brain. 2019	31699123	<a href="https://pubmed.ncbi.nlm.nih.gov/31699123/">https://pubmed.ncbi.nlm.nih.gov/31699123/</a>
Idiopathic	2	iPSC	No	No	Guo et al. Stem Cell Res. 2021	34438162	<a href="https://pubmed.ncbi.nlm.nih.gov/34438162/">https://pubmed.ncbi.nlm.nih.gov/34438162/</a>
Idiopathic	3	Neurons, Astrocytes	No	No	Russo et al. Biol Psychiatry. 2018	29129319	<a href="https://pubmed.ncbi.nlm.nih.gov/29129319/">https://pubmed.ncbi.nlm.nih.gov/29129319/</a>
Idiopathic	3	Neurons	No	No	Grunwald et al. Transl Psychiatry. 2019	31358727	<a href="https://pubmed.ncbi.nlm.nih.gov/31358727/">https://pubmed.ncbi.nlm.nih.gov/31358727/</a>
Idiopathic	3	NPC	No	No	Moore et al. Stem Cells Int. 2019	31191687	<a href="https://pubmed.ncbi.nlm.nih.gov/31191687/">https://pubmed.ncbi.nlm.nih.gov/31191687/</a>
Idiopathic	3	Neurons	No	No	Liu et al. Mol Neurobiol. 2017	27356918	<a href="https://pubmed.ncbi.nlm.nih.gov/27356918/">https://pubmed.ncbi.nlm.nih.gov/27356918/</a>
Idiopathic	3	NPC	No	No	Wang et al. Cell Stem Cell. 2020	32004479	<a href="https://pubmed.ncbi.nlm.nih.gov/32004479/">https://pubmed.ncbi.nlm.nih.gov/32004479/</a>
Idiopathic	4	Organoids	No	No	Mariani et al. Cell. 2015	26186191	<a href="https://pubmed.ncbi.nlm.nih.gov/26186191/">https://pubmed.ncbi.nlm.nih.gov/26186191/</a>
Idiopathic	4	Organoids	No	No	Ilieva et al. Mol Psychiatry. 2022	35618886	<a href="https://pubmed.ncbi.nlm.nih.gov/35618886/">https://pubmed.ncbi.nlm.nih.gov/35618886/</a>
Idiopathic	4	Organoids	No	No	Ejlersen et al. J Neural Transm. 2022	35266053	<a href="https://pubmed.ncbi.nlm.nih.gov/35266053/">https://pubmed.ncbi.nlm.nih.gov/35266053/</a>
Idiopathic	5	iPSC	No	No	Suzuki et al. Molecular Psychiatry 2015	25582616	<a href="https://pubmed.ncbi.nlm.nih.gov/25582616/">https://pubmed.ncbi.nlm.nih.gov/25582616/</a>
Idiopathic	6	NPC	No	No	Sanchez-Sanchez et al. Hum Mutat. 2018	29969175	<a href="https://pubmed.ncbi.nlm.nih.gov/29969175/">https://pubmed.ncbi.nlm.nih.gov/29969175/</a>
Idiopathic	6	NPC, Neurons	No	No	DeRosa et al. Sci. Rep. 2018	29849033	<a href="https://pubmed.ncbi.nlm.nih.gov/29849033/">https://pubmed.ncbi.nlm.nih.gov/29849033/</a>
Idiopathic	6	NPC, Neurons	No	No	Griesi-Olivera et al. Mol Psychiatry. 2021	32060413	<a href="https://pubmed.ncbi.nlm.nih.gov/32060413/">https://pubmed.ncbi.nlm.nih.gov/32060413/</a>
Idiopathic	8	NPC, Neurons	No	No	Schafer et al. Nat. Neurosci. 2019	30617258	<a href="https://pubmed.ncbi.nlm.nih.gov/30617258/">https://pubmed.ncbi.nlm.nih.gov/30617258/</a>
Idiopathic	8	Neurons	No	No	Amatya et al. Stem Cell Reports. 2019	31474529	<a href="https://pubmed.ncbi.nlm.nih.gov/31474529/">https://pubmed.ncbi.nlm.nih.gov/31474529/</a>
Idiopathic	9	Neurons	No	No	Adhya et al. Biol Psychiatry. 2021	32826066	<a href="https://pubmed.ncbi.nlm.nih.gov/32826066/">https://pubmed.ncbi.nlm.nih.gov/32826066/</a>
Idiopathic & Syndromic	43 & 22	iPSCs	No	No	Brick et al. Stem Cells Transl Med. 2014	25273538	<a href="https://pubmed.ncbi.nlm.nih.gov/25273538/">https://pubmed.ncbi.nlm.nih.gov/25273538/</a>
Idiopathic & ASD traits	2 & 2	Neurons	No	No	Lewis et al. Mol Autism. 2019	31893020	<a href="https://pubmed.ncbi.nlm.nih.gov/31893020/">https://pubmed.ncbi.nlm.nih.gov/31893020/</a>