



**Table S2.** Studies excluded during full-text screening and reasons, or studies that could not be retrieved.

Study	Reason(s) for exclusion
Abrams et al., 1976 [1]	Could not retrieve.
Belmaker & Grisaru, 1998 [2]	Report same data in [3].
Cassidy et al., 1997 [4]	Assessed biomarker response to tryptophan depletion after ECT series.
Cassidy et al., 2010 [5]	Assessed biomarker response to tryptophan depletion after ECT series.
Chang et al., 2011 [6]	Biomarkers of interest not assessed.
Costain et al., 1978 [7]	Not an experiment.
d'Elia et al., 1979 [8]	Reported same data in [9].
d'Elia et al., 1977 [10]	Biomarkers of interest not assessed.
d'Elia et al., 1978 [11]	ECT effects on biomarkers not reported (although authors reported collecting).
Dalal et al., 1997 [12]	Kinetics study, not assessing biomarker levels.
Green, 1978 [13]	Not a NIBS experiment.
Ikeda et al., 2005 [14]	Kinetics study, not assessing biomarker levels.
Krahn et al., 2000 [15]	Biomarkers of interest not assessed.
Kranaster et al., 2020 [16]	Post-ECT biomarkers not assessed.
Liu et al., 2020 [17]	Not a NIBS experiment.
Mano et al., 1989 [18]	Could not retrieve.
Molnar et al., 1979 [19]	Biomarkers of interest not assessed.
Mohamad Safiai et al., 2020 [20]	Protocol, no results reported.
Nordin et al., 1971 [21]	Merged ECT effects with flurothyl convulsive therapy.
Olajosy et al., 2018 [22]	Reporting same data in [23].
Papakostas et al., 1990 [24]	Biomarkers of interest not assessed.
Papakostas et al., 2000 [25]	Biomarkers of interest not assessed.
Peng et al., 2021 [26]	Biomarker sampling method is dubious.
Potter et al., 1987 [27]	Review.
Price et al., 1985 [28]	Biomarkers of interest not assessed.
Rausch et al., 1988 [29]	Platelet uptake study, not assessing biomarker levels.
Shiiba et al., 2012 [30]	Invasive, stimulated mice sciatic nerve of directly.
Wagner et al., 1987 [31]	Reported same data [32]
Wang et al., 2004 [33]	Biomarkers of interest not assessed.

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