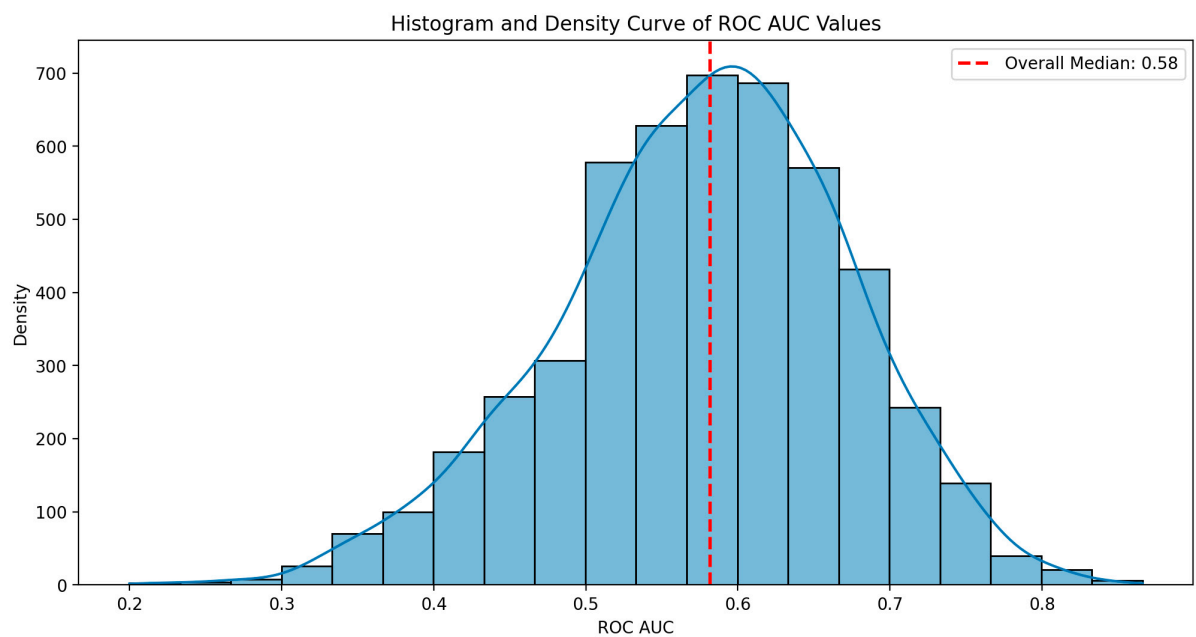


# Meta-Analysis of COVID-19 Metabolomics Identifies Variations in Robustness of Biomarkers

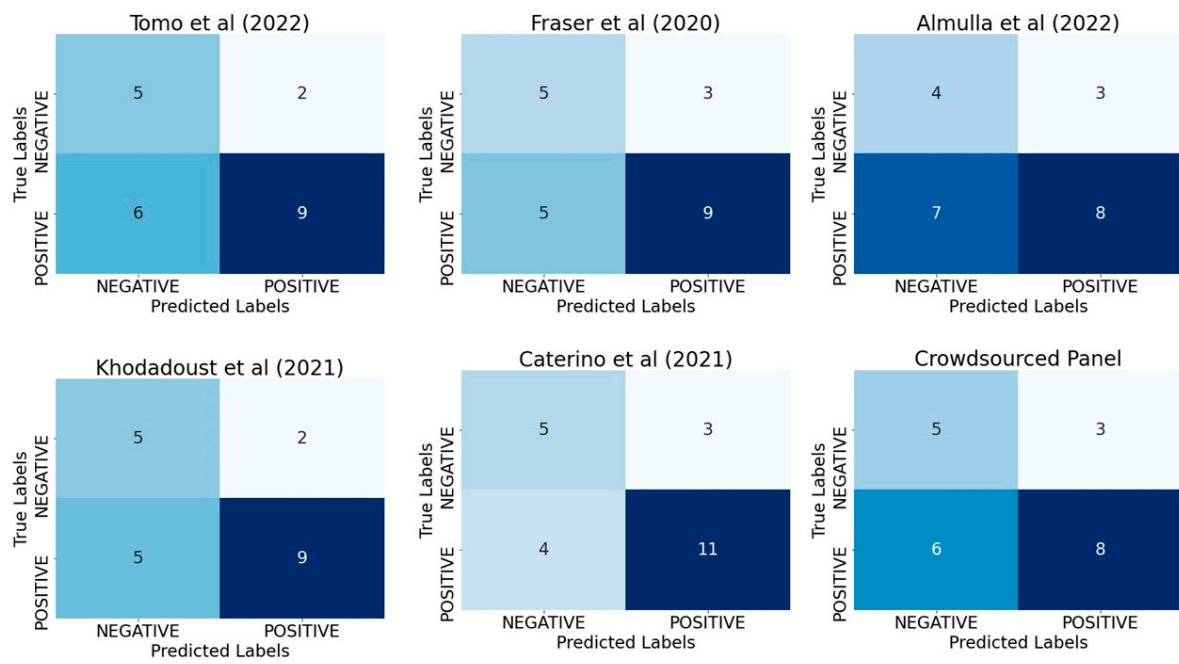
## Supplementary Material

**Table S1.** optimised GridSearchCV parameters by panel.

Panel	C	Penalty	Solver
1. Tomo <i>et al</i> (2022) [29]	0.1	'l2'	liblinear
2. Fraser <i>et al</i> (2020) [30]	0.1	'l2'	liblinear
3. Almulla <i>et al</i> (2022) [31]	0.1	'l2'	liblinear
4. Khodadoust <i>et al</i> (2021) [32]	1.0	'l2'	liblinear
5. Caterino <i>et al</i> (2021) [33]	10	'l2'	liblinear
6. Crowdsourced Panel	0.1	'l2'	liblinear



**Figure S1.** histogram and density plot of AUROC across 5 000 randomly generated biomarker panels, each comprising 5 metabolites selected at random from the independent dataset.



**Figure S2.** confusion matrices by panel.