

Table S1 Correlation coefficient (ρ) and P values of HPCOF and other six predictive methods in predicting exchange fluxes at different uptake rates of glucose

Uptake rates	HPCOF	E-Flux	Lee	E-Fmin	GIMME	FBA	IMAT
16.5	0.99(5×10 ⁻⁷)	0.99(3×10 ⁻⁷)	0.99(7×10 ⁻⁷)	0.99(5×10 ⁻⁶)	0.64(8×10 ⁻²)	0.64(9×10 ⁻²)	0.63(9×10 ⁻²)
11.0	0.96(1×10 ⁻⁴)	0.97(1×10 ⁻⁴)	0.93(7×10 ⁻⁴)	0.98(3×10 ⁻⁵)	0.83(1×10 ⁻²)	0.83(1×10 ⁻²)	0.83(1×10 ⁻²)
Average	0.975	0.98	0.96	0.985	0.735	0.735	0.73