

# **A novel rhodamine-based fluorescent pH probe for high-throughput screening of high-yield polymalic acid strains from random mutant libraries**

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Table S1. Characteristics of the mutants and wild type strain fermentation in shake-flask.

Strains	DCW(g/L)	Residual sugar (g/L)	PMA (g/L)	Productivity (g/L h)	Yield (g/g)
CCTCCM20 12223	18.99±0.81	1.13±0.12	21.01±0.92	0.22	0.24
BH-5	19.28±1.18	1.23±0.16	21.96±1.12	0.23	0.25
YH-6	19.38±1.28	1.31±0.20	20.64±0.96	0.22	0.23
YH-41	20.28±0.37	1.31±0.09	21.17±2.22	0.22	0.24
AH-1	18.62±0.68	1.21±0.18	22.90±0.81	0.24	0.26
BH-41	19.87±0.78	1.37±0.15	21.86±1.15	0.23	0.25
BH-31	21.41±0.77	1.34±0.13	23.12±0.68	0.24	0.26
AH-16	20.50±0.51	1.24±0.21	22.89±0.36	0.24	0.26
AH-21	21.37±0.73	1.25±0.24	24.21±0.47	0.25	0.27