

**Supplemental Table S5.** Purification level and yield parameters of r-TaPAPhy a1 and b1 after five days of methanol induction.

r-TaPAPhy_a1	Volume (ml)	Total Protein (mg)	Protein (mg mL <sup>-1</sup> )	Specific Phytase activity (U mg <sup>-1</sup> )	Total Phytase activity (U)	Yield %	Purification fold
<b>Pichia supernatant broth</b>	2000	840	0.42	0.4	356	100.0	1
<b>Dialysis</b>	2200	770	0.4	0.4	312	87.6	1.1
<b>Q-Sepharose</b>	128	80.6	0.6	2.0	158	44.4	10.4
<b>Ni<sup>2+</sup>/NTA Sepharose FF</b>	24	2.6	0.1	18.5	48.7	13.6	318
<b>Vivaspin</b>	1	2.5	2.5	18.5	46.9	13.2	330

r-TaPAPhy_b1	Volume (ml)	Total Protein (mg)	Protein (mg mL <sup>-1</sup> )	Specific Phytase activity (U mg <sup>-1</sup> )	Total Phytase activity (U)	Yield %	Purification fold
<b>Pichia supernatant broth</b>	2000	983	0.5	0.4	1257	100	1
<b>Dialysis</b>	2200	971	0.4	0.4	1132	90	1.1
<b>Q-Sepharose</b>	115	189	1.6	2.0	987	78.5	5.2
<b>Ni<sup>2+</sup>/NTA Sepharose FF</b>	36	21.1	0.6	36.2	764.3	60.8	46.6
<b>Vivaspin</b>	1	21	21	36.2	761	60.5	46.8