



**S12 Fig. APRT2 Type 1 PRTase activity tests using alternative N-containing nucleophiles – part 1.** APRT2 was tested for activity as a potential HGXPRT, EC 2.4.2.8 (A, B, C); OPRT, EC 2.4.2.10 (D), UPRT, EC 2.4.2.9 (E), and PRPP synthetase, EC 2.7.6.1 (F). No enzymatic activity could be detected under the assay conditions described in the Methods.