

Supplementary Table S1. RMSD in angstroms for alignment of single chains

		4MAL	4MBQ					
		B	A	B	C	D	E	F
4MAL	A	0.28	0.23	0.33	0.38	0.38	0.46	0.54
4MBQ	A	0.43	0.0	0.35	0.29	0.21	0.56	0.64

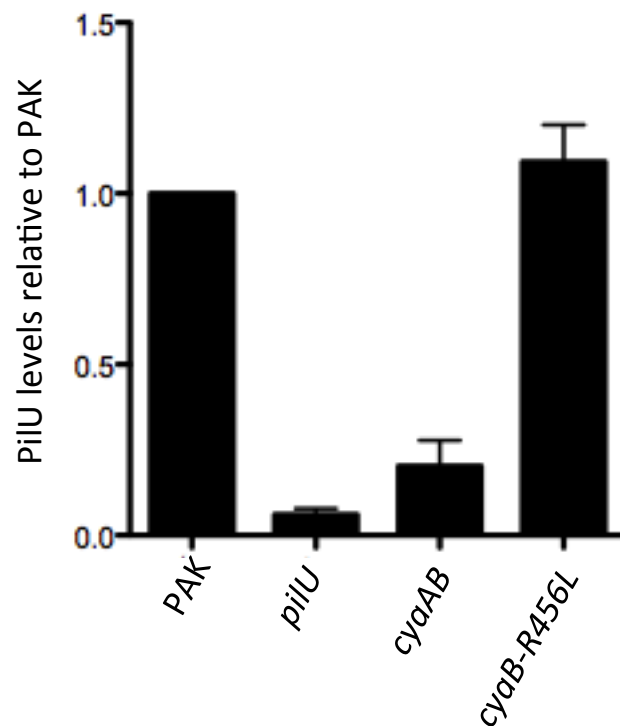


Figure S1. PilU levels are positively correlated with cAMP levels

Levels of PilU were determined by preparing cell lysates as described in the Methods, of wild type PAK, *pilU*, a mutant lacking the major adenylate cyclases (*cyaAB*), and a point mutant encoding a constitutively active adenylate cyclase (*cyaB-R456L*) grown overnight on LB 1.5% agar. Samples were resolved by SDS-PAGE and transferred to a nitrocellulose membrane. PilU was visualized by immunoblotting with anti-PilU antiserum. Densitometric analysis (average of n = 3) was carried out using ImageJ, normalizing band intensity of the PilU band to a nonspecific control band, and shown as a percentage of the normalized band intensity of wild type \pm standard error.