Electronic Supplementary Material – Online Resource 1

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Article title: Caffeine inhibits PI3K and mTORC2 in Dictyostelium and differentially

affects multiple other cAMP chemoattractant signaling effectors.

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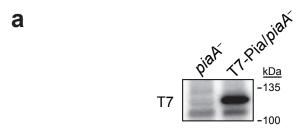
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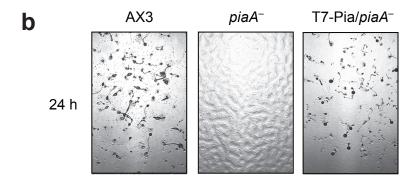
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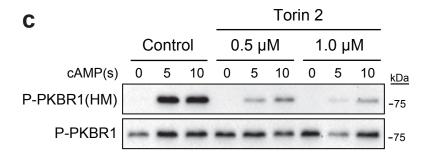
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Online Resource 1. a, T7-Pia was expressed in *piaA* null (*piaA*⁻) cells and detected by T7 immunoblot. **b**, T7-Pia rescues the developmental defect of *piaA* null cells, demonstrating that the construct is functional. Pictures shown were taken at 24 h after the onset of development triggered by starving the cells on non-nutrient agar. Fruiting bodies are seen on plates of wild-type AX3 and T7-Pia/*piaA*⁻ cells and absent on plates of *piaA*⁻ cells. **c**, Torin 2-mediated inhibition of mTORC2 in cells. Torin 2 was incubated with developed AX3 cells at 0.5 and 1.0 μM for 30 min before cAMP stimulation for the time indicated. mTORC2 activity was assessed by evaluating its phopshorylation of PKBR1 at its hydrophobic motif (HM).