

## Additional file 1. Experimental design to affinity purify cyclic nucleotide binding proteins from Arabidopsis

The four different types of baits are depicted with \* indicating positions at which cAMP differs from cGMP. The agarose baits are indicated by blue flashes while the magnetic dynabead baits are represented as brown circles. Leaf (pale green) or callus (pale pink) extracts were incubated with the baits then pulled down using centrifugation or a Dynamag magnet depending on the type of bait. Interactions that formed were then challenged with an increasing stringent sequential elution process. Elution and bead fractions were separated by one dimensional (ID) SDS-PAGE, the lanes excised and proteins digested with trypsin. Peptide fragments were detected by nano-liquid chromatography (LC)/MS and matched to the Arabidopsis\_TAIR10 protein database using MASCOT.