**Movie EV3. Morph of the GBP1 LG domains in different nucleotide states.**

Structural rearrangement of the guanine cap and helix 3 and 4’ upon nucleotide hydrolysis are displayed. PDB accession codes: apo (1dg3), GMP (2d4h), GMP•AlFx (2b8w), GDP•AlFx (2b92), GMPPNP (2bc9).