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Abbreviations: BFP, blue fluorescent protein; CIB1, cryptochrome-interacting, basic-helix-loop-helix1; CRY2, cryptochrome 2; ctrl, control; eGFP, enhanced green fluorescent protein; ePDZb, engineered PDZ domain type b; EV, extracellular vesicles; FKBP, FK506 binding protein; FRB, FKBP-rapamycin binding; LAMP-1, lysosome associated membrane protein 1; LITE (light-inducible transcriptional effectors); PPI, protein-protein interaction; RVD, repeat variable di-residue; TALE, transcription activator-like effector; TULIP, tunable light-controlled interacting protein; YFP, yellow fluorescent protein

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