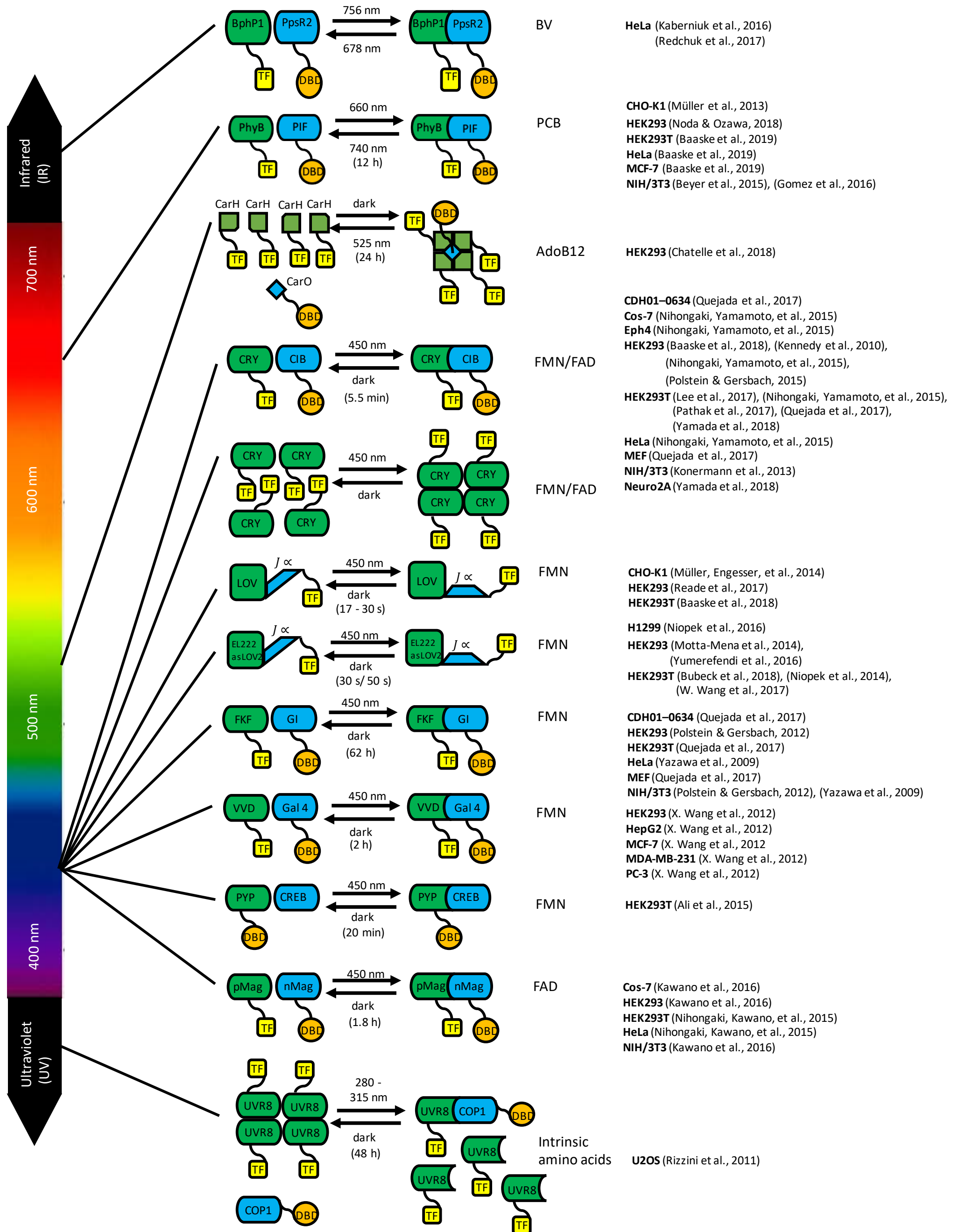


Chromophore: Cell lines:



BphP1 - bacterial phytochrome P1 **PpsR2** - transcriptional regulator **TF** - transcription factor **DBD** - DNA binding domain **BV** - biliverdin **PhyB** - phytochrome B **PIF** - phytochrome interacting factor **PCB** - phycocyanobilin **CarH** - carotenogenic transcription factor **CarO** - carotenogenic operator **AdoB12** - 5'-deoxyadenosylcobalamin **Cry2** - cryptochrome circadian regulator 2 **CIB** - cryptochrome-interacting basic-helix-loop-helix 1 **FMN** - flavin mononucleotide **FAD** - flavin adenine dinucleotide **LOV** - light oxygen voltage **J α** - alpha-helix at C-terminus of LOV **EL222** - erythrobacter litoralis **asLOV2** - light oxygen voltage domain of avena sativa **FKF** - flavin-binding kelch repeat F-box1 **GI** - gigantea **VVD** - vivid **Gal4** - galactose-responsive transcription factor **PYP** - photoactive yellow protein **CREB** - cyclic AMP response element binding protein **pMag** - positive magnet **nMag** - negative magnet **UVR8** - ultra violet resistance 8 **COP1** - constitutive photomorphogenic 1