1. Proper Chromoprotein Chosen

1.1 Chromoprotein Expression

At the beginning, we’ve tested six kinds of chromoprotein to find the chromoprotein which will possibly be used as the reporter. We use pSEVA321-PL003 as the backbone which has a strong constitutive promoter. The following proteins are the proteins that we’ve tested.

1. fwYellow yellow chromoprotein (BBa\_K1033910)
2. amajLime yellow-green chromoprotein (BBa\_K1033916)
3. gfasPurple purple chromoprotein (BBa\_K1033919)
4. asPink pink chromoprotein (BBa\_K1033933)
5. spisPink pink chromoprotein(BBa\_K1033932)
6. amilCP blue chromoprotein (BBa\_K592009)

