

Supplemental Data File S1: Supplemental vector sequences, related to Experimental Procedures.

A) AVA2590[Launchpad, Puromycin^R]:

pSV40 promoter: 2525-2863

FRT1: 2871-2919

BGHpA: 2929-3149

GFP: 3152-3872

EF1alfa promoter: 3873-5381

PGK-PuroR: 5382-6516

FRT2: 6520-6567

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B) AVA2515[RFP(PTC-), Hygromycin^R]:

tDNA1: 1045-1141

EF1alfa promoter: 1176-2679

5xtmTomato: 2702-9994

TEV protease: 9995-10720

PEST (degradation sequence): 10748-10882

Human beta-globin(Δ I1): 10889-12271

BGH polyA: 12293-12517

tDNA2: 12803-12899

FRT: 12910-12957

HygromycinR (lacks promoter and 1st Methionine): 12977-14253

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C) AVA2626[RFP(PTC+), Hygromycin^R]:

tDNA1: 1045-1141

EF1alfa promoter: 1176-2679

5xtmTomato: 2702-9994

TEV protease: 9995-10720

PEST (degradation sequence): 10748-10882

Human beta-globin(Δ I1): 10889-12271

PTC39: 11003-11005

BGH polyA: 12293-12517

tDNA2: 12803-12899

FRT: 12910-12957

HygromycinR (lacks promoter and 1st Methionine): 12977-14253

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D) AVA2598[GFP(PTC-), Puromycin^R]:

tDNA1: 1045-1141

EF1alfa promoter: 1176-2679

5xEGFP: 2702-6439

TEV protease: 6440-7165

PEST (degradation sequence): 7193-7327

Human beta-globin (HBB): 7334-8716

BGH polyA: 8783-8962

tDNA2: 9248-9344

FRT: 9355-9402

PuromycinR (lacks promoter and 1st Methionine): 9578-10407

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E) AVA2600[GFP(PTC+) Puromycin^R]:

tDNA1: 1045-1141

EF1alfa promoter: 1176-2679

5xEGFP: 2702-6439

TEV protease: 6440-7165

PEST (degradation sequence): 7193-7327

Human beta-globin (HBB): 7334-8716

PTC39: 7448-7450

BGH polyA: 8783-8962

tDNA2: 9248-9344

FRT: 9355-9402

PuromycinR (lacks promoter and 1st Methionine): 9578-10407

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