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
5xtdTomato: 2702-9994
TEV protease: 9995-10720
PEST (degradation sequence): 10748-10882
Human beta-globin(ΔI1): 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
5xtdTomato: 2702-9994
TEV protease: 9995-10720
PEST (degradation sequence): 10748-10882
Human beta-globin(ΔI1): 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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