Supplementary figures

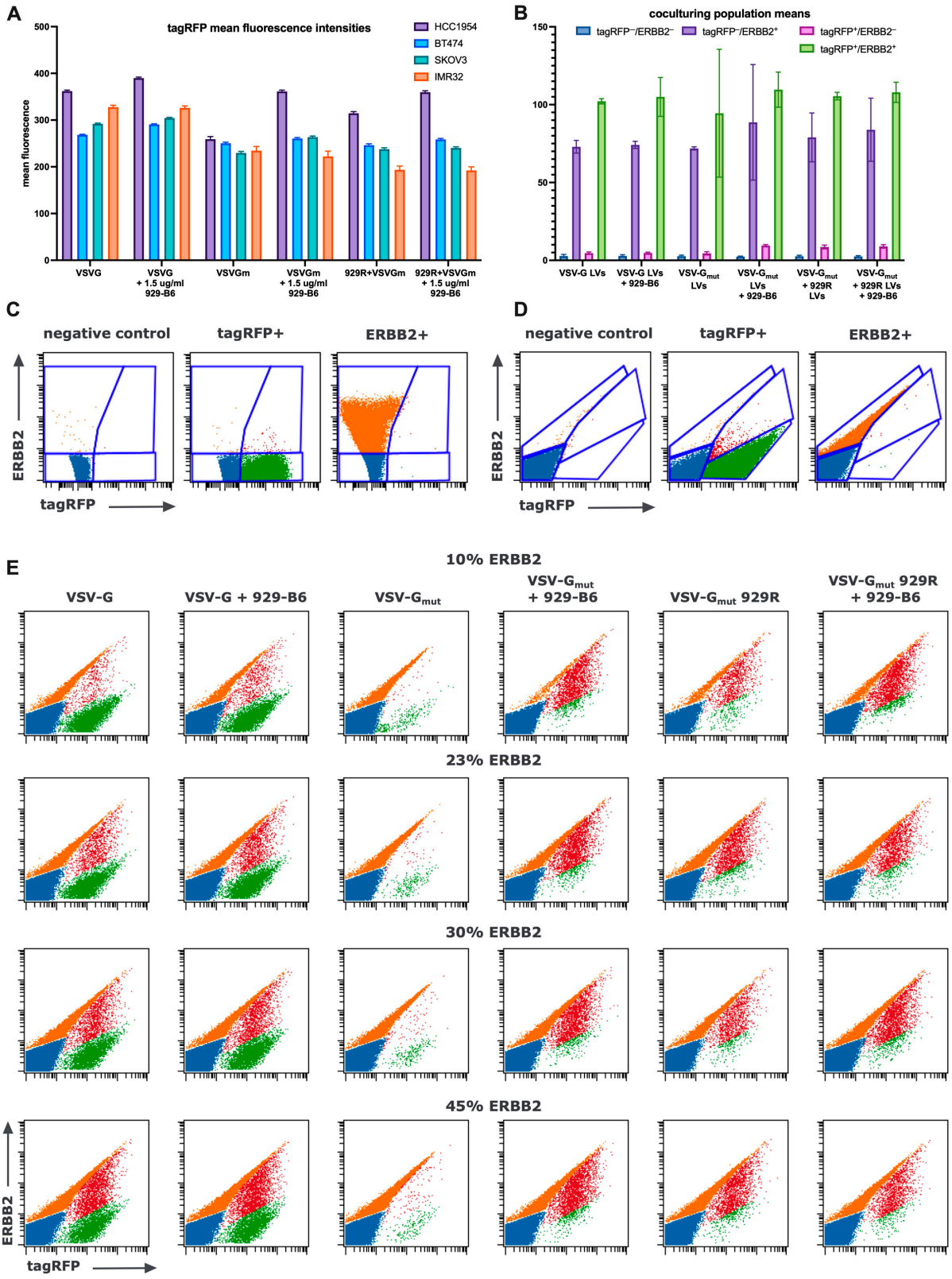


Figure S1. A. Mean fluorescence intensities (MFI) of TagRFP$^+$ populations in cancer cell lines transduced with VSV-G, VSV-G_{mut} and VSV-G_{mut}+929R-pseudotyped LVs with or without 929-B6 pretreatment. B. MFIs of ERBB$^-$/TagRFP$^-$, ERBB$^+$/TagRFP$^-$,

ERBB⁻/TagRFP⁺, and ERBB⁺/TagRFP⁺ populations from Figure 5C. C. Control samples corresponding to Figure 5C, compensated. D. Control samples corresponding to Figure 5C, uncompensated. E. Uncompensated flow cytometry plots as in Figure 5C.

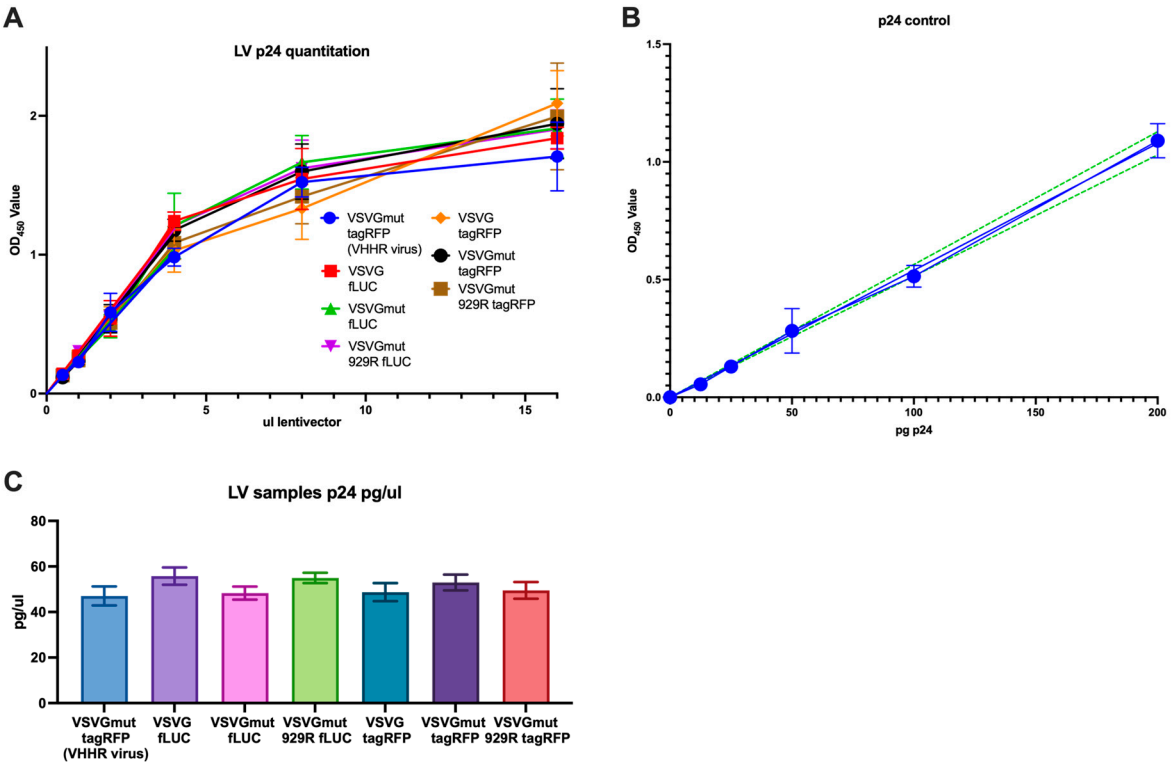
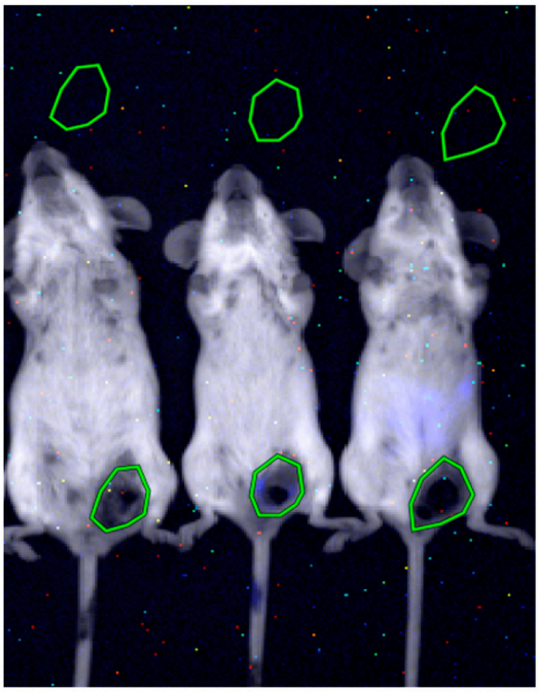
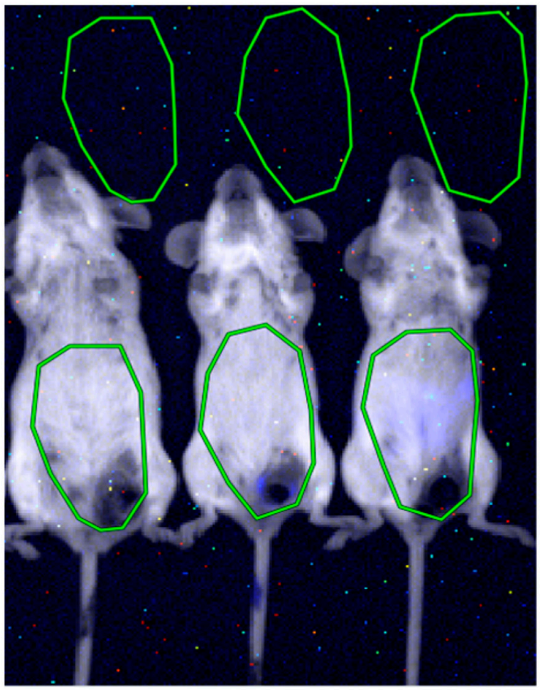


Figure S2. A. ELISA p24 quantitation of lentiviral samples. Trendlines were fitted within the 0.5-4 µL range. B. ELISA standard curve for the control p24 sample. C. Calculated p24 concentrations in the tested lentiviral samples.

A



B

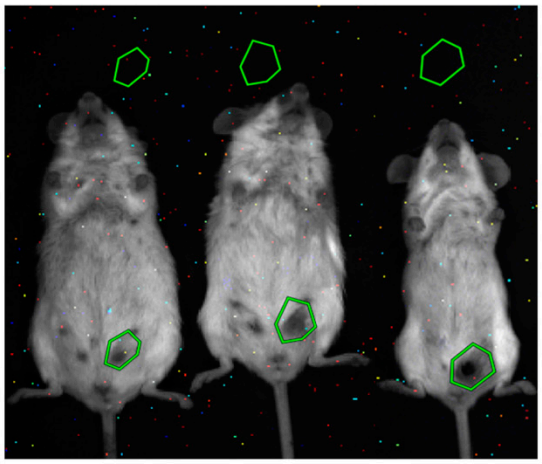


C

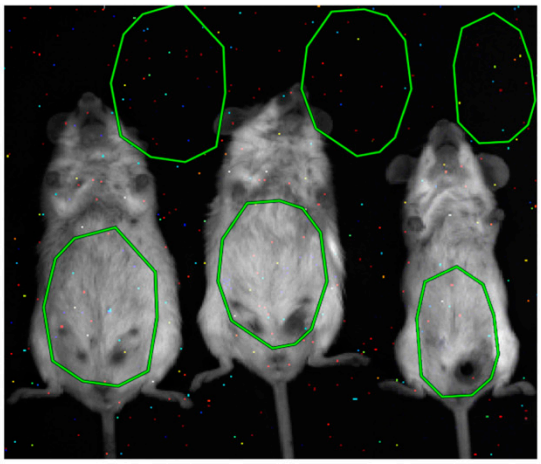
	Radiance (tumor)	Radiance (control region)	Tumor radiance corrected	Radiance (abdomen)	Radiance (control region)	Abdomen radiance corrected	on-to-off ratio
VSV-G_{mut}	2.52e+008	2.49e+008	3610000.00	1.11e+009	1.08e+009	2.93e+007	0.14087572
VSV-G_{mut} + 929-B6	2.33e+008	2.21e+008	1.14e+007	1.08e+009	1.06e+009	1.21e+007	16.27294400
VSV-G LVs	3.75e+008	3.37e+008	3.84e+007	1.02e+009	9.64e+008	5.30e+007	2.62434525

Figure S3. Quantification of photon flux in bioluminescent imaging of mice receiving $1*10^8$ i.f.u. of LVs. A. Tumor region of interest (ROI). B. Abdomen ROI. C. Radiance values for each ROI, with calculated corrected radiance for tumor and abdomen, and on/off ratios.

A



B



C

	Radiance (tumor)	Radiance (control region)	Tumor radiance corrected	Radiance (abdomen)	Radiance (control region)	Abdomen radiance corrected	on-to-off ratio
VSV-G_{mut}	1.00e+008	9.90e+007	1500000.00	1.63e+009	1.61e+009	2.79e+007	0.05692851
VSV-G_{mut} + 929-B6	1.43e+008	1.41e+008	1710000.00	1.47e+009	1.45e+009	2.01e+007	0.09291774
VSV-G LVs	1.42e+008	1.40e+008	1260000.00	8.96e+008	8.66e+008	3.08e+007	0.04258315

Figure S4. Quantification of photon flux in bioluminescent imaging of mice receiving $1*10^7$ i.f.u. of LVs. A. Tumor region of interest (ROI). B. Abdomen ROI. C. Radiance values for each ROI, with calculated corrected radiance for tumor and abdomen, and on/off ratios.

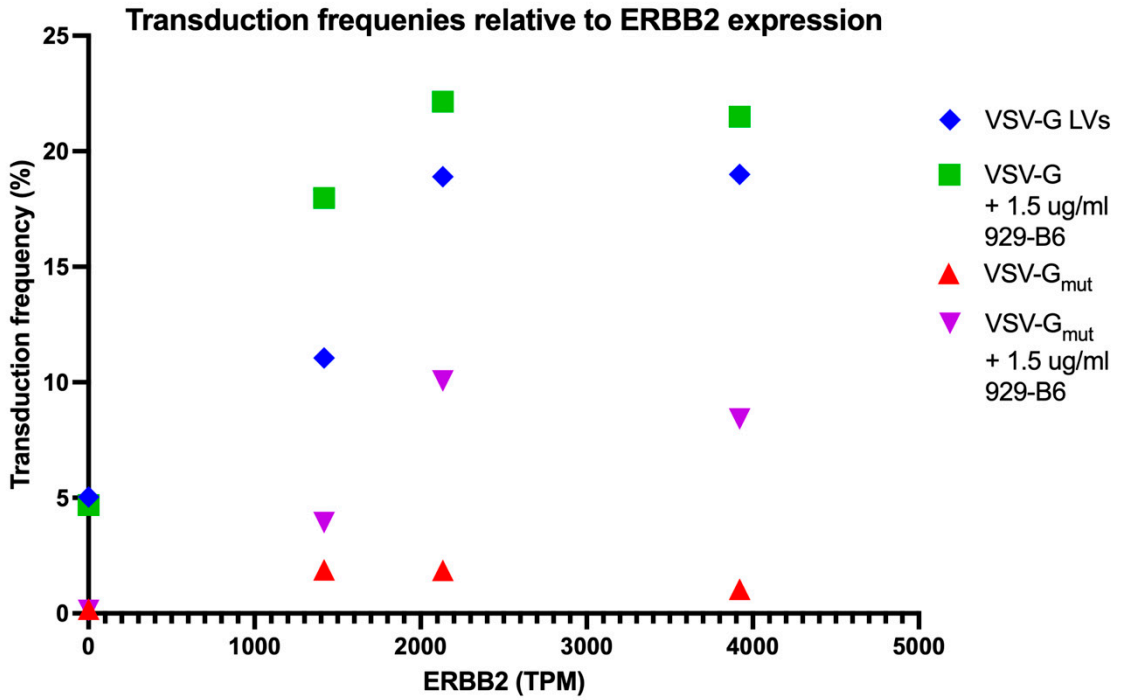


Figure S5. Transduction frequencies of cancer cell lines relative to ERBB2 expression levels (as transcripts per million, according to CCLE 25q3 data).

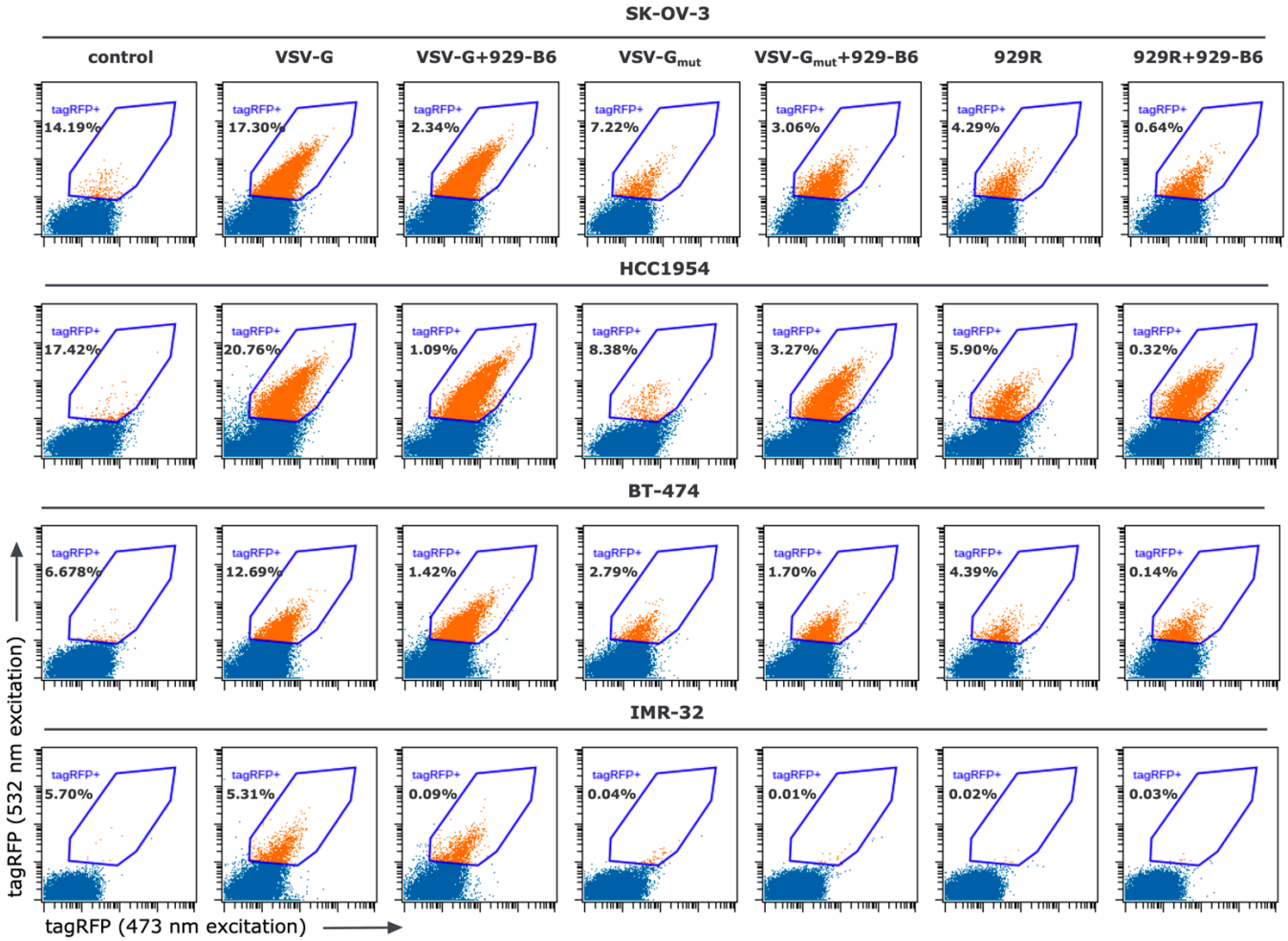


Figure S6. Flow plots of cell line panel transduced with VSV-G, VSV-G_{mut} and VSV-G_{mut}+929R-pseudotyped LVs with and without 929-B6 pretreatment, as in Fig. 4C.