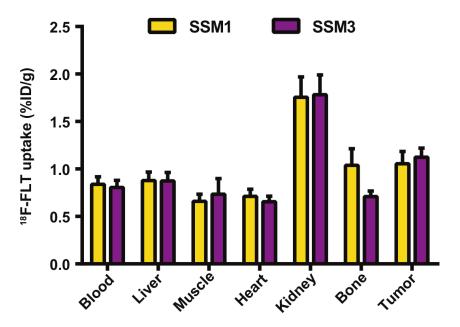


Supplemental Figure 1: ¹⁸F-FLT biodistribution normalized to mouse weight.

Male and female (**A**) 129S6/SvEv, (**B**) athymic nude, (**C**) and BALB/c mice were sacrificed 1 h and 2 h following injection of 0.74-0.89 MBq (20-24 μCi) ¹⁸F-FLT (n=5 129S6/SvEv; n=5 athymic nude; n=4 BALB/c per time point). Tissues were harvested, weighed, and radioactivity

was measured by gamma counting. Percent injected dose/gram (%ID/g) of each tissue type was calculated and normalized to mouse weight.



Supplemental Figure 2: ¹⁸F-FLT biodistribution in STAT1^{-/-} tumor bearing female mice.

Mice bearing SSM1 tumors (n=4) or SSM3 tumors (n=4) were sacrificed 2 h after injection of 0.85 MBq (23 μ Ci) ¹⁸F-FLT. Tissues were harvested, weighed, and radioactivity was measured by gamma counting. Percent injected dose/gram (%ID/g) of each tissue type was calculated.