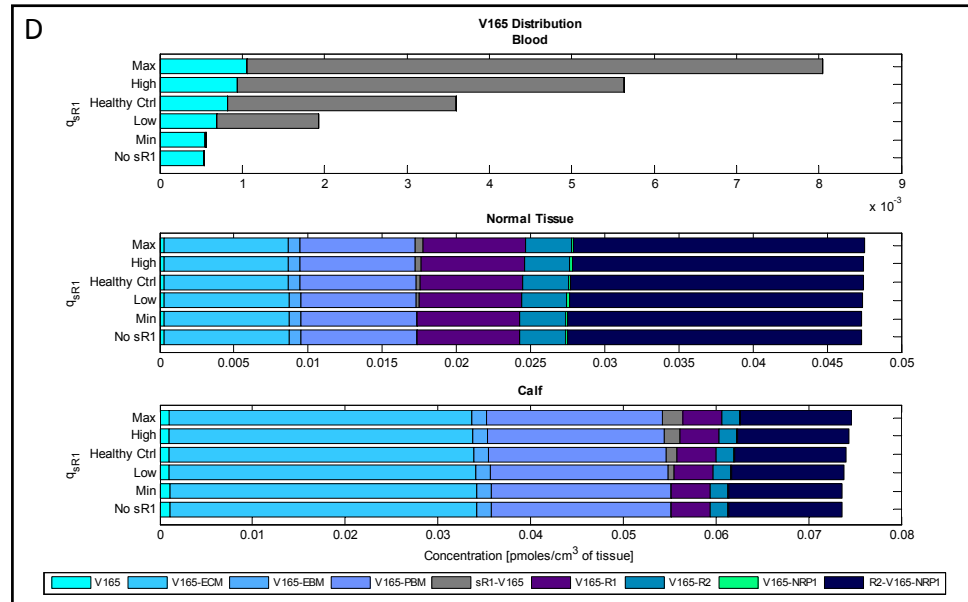
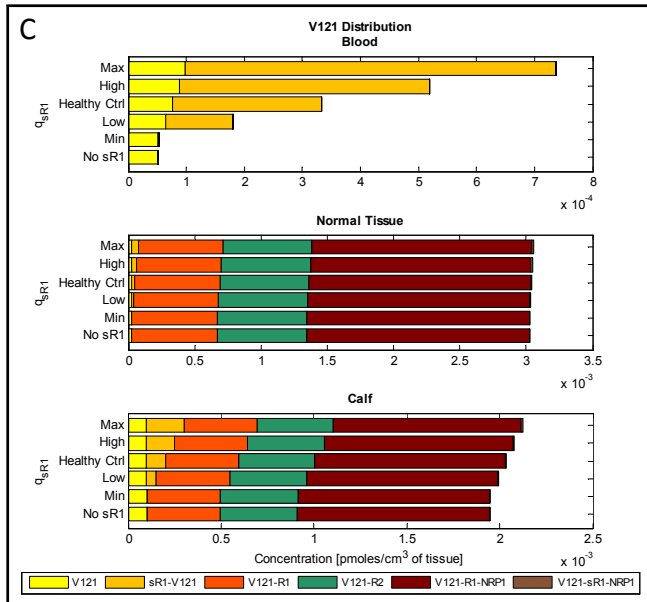
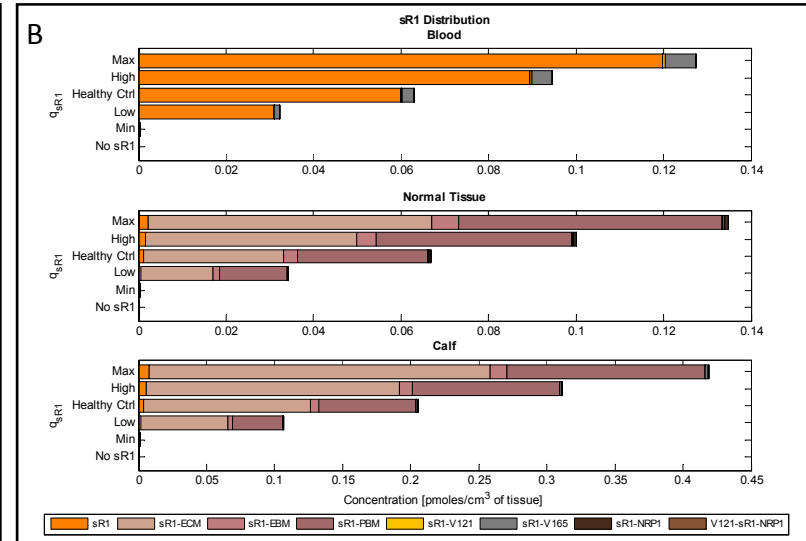
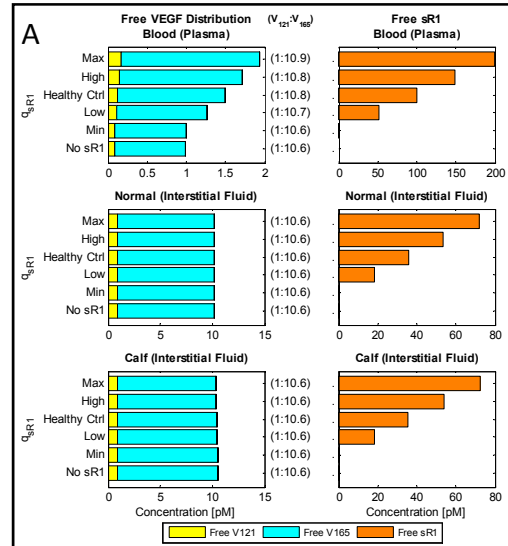
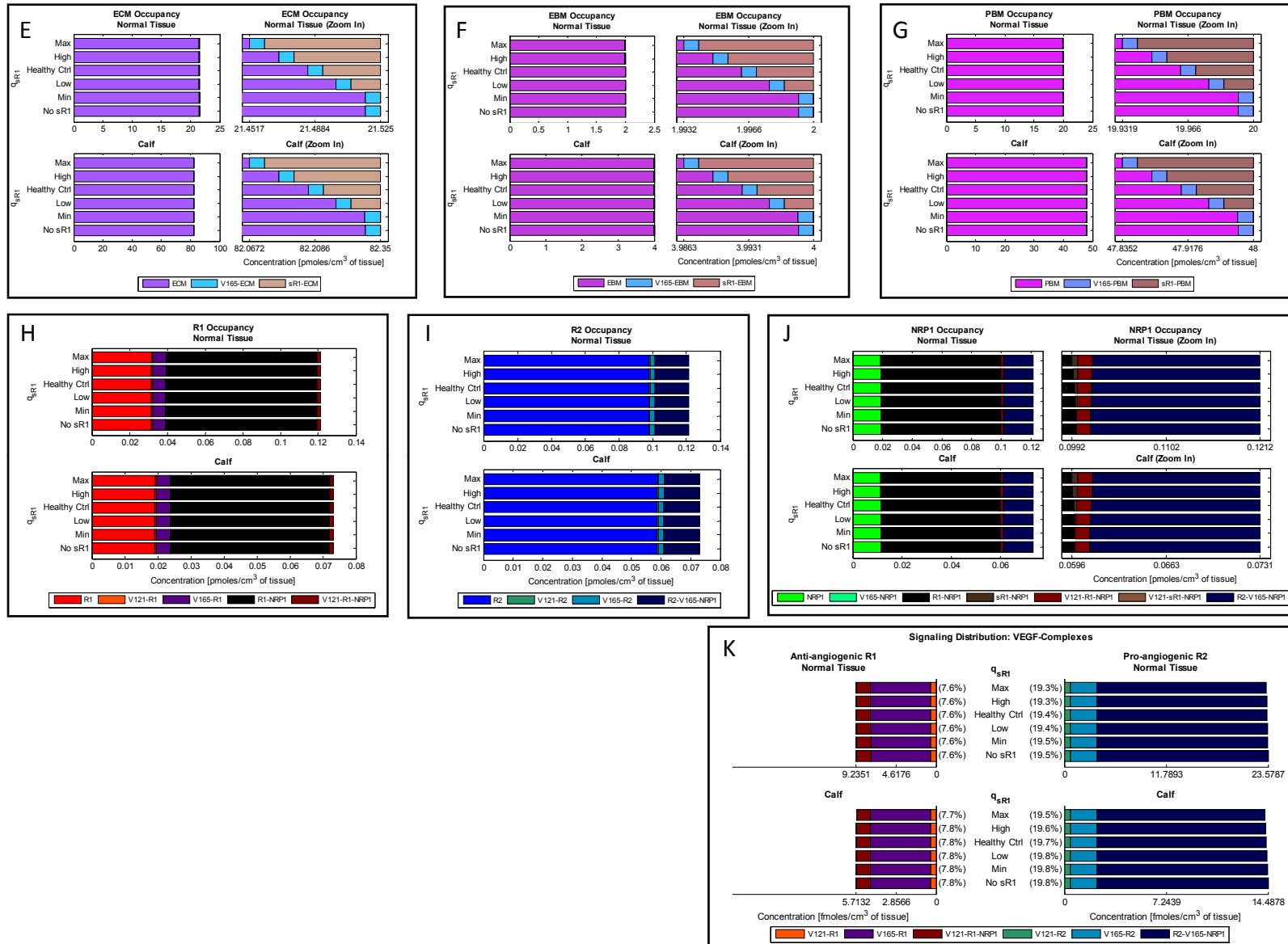


Healthy Subject: Varying sVEGFR1 secretion rate, q_{sR1} (molecule/EC/s)

q_{sR1}	Normal	Calf
	[molecule/EC/sec ; mole/(cm ³ tissue)/sec]	
Max	2.15x10 ⁻² ; 2.61x10 ⁻¹⁹	4.30x10 ⁻² ; 3.14x10 ⁻¹⁹
High	1.60x10 ⁻² ; 1.94x10 ⁻¹⁹	3.20x10 ⁻² ; 2.34x10 ⁻¹⁹
Healthy Ctrl	1.07x10 ⁻² ; 1.30x10 ⁻¹⁹	2.10x10 ⁻² ; 1.53x10 ⁻¹⁹
Low	5.50x10 ⁻³ ; 6.67x10 ⁻²⁰	1.10x10 ⁻² ; 8.04x10 ⁻²⁰
Min	6.00x10 ⁻⁵ ; 7.27x10 ⁻²²	1.20x10 ⁻⁴ ; 8.77x10 ⁻²²
No sR1	0	0



Supplemental Figure S2. Healthy Subject: Complete Molecular Distribution Analysis for Varying sVEGFR1 Secretion Rates. (A) Free VEGF and free sVEGFR1 distributions. (B) Total sVEGFR1 distribution. (C) Total VEGF₁₂₁ distribution. (D) Total VEGF₁₆₅ distribution. (continued on next page)



Supplemental Figure S2. (continued)

(E) Extracellular matrix binding site occupancies. **(F)** Endothelial basement membrane binding site occupancies. **(G)** Parenchymal basement membrane binding site occupancies. **(H)** VEGFR1 occupancies. **(I)** VEGFR2 occupancies. **(J)** NRP1 occupancies. **(K)** VEGF-bound VEGFR complexes.