

**S3 Table. Biodistribution of rFVIII<sup>h</sup>Fc or rFVIII as calculated as %ID/organ by QWBA or scintillation counting FVIII-KO mice**

FVIII-KO Mice	rFVIII <sup>h</sup> Fc by QWBA (%ID/organ)					rFVIII <sup>h</sup> Fc by Scintillation Counts (%ID/organ)			rFVIII by Scintillation Counts (%ID/organ)	
	Organ	5 min	30 min	3 hr	16 hr	32 hr	5 min	15 min	2 hr	15 min
Blood	<b>36.09</b>	<b>34.08</b>	<b>26.59</b>	<b>2.91</b>	<b>3.53</b>	<b>67.05 ±7.68</b>	<b>50.92 ±4.93</b>	<b>35.9 6±1.99</b>	<b>55.71 ±2.48</b>	<b>56.17 ±6.49</b>
Liver	7.22	11.13	9.07	1.27	1.01	12.72 ±0.44	12.35 ±0.64	6.16 ±0.61	11.31 ±0.63	4.62 ±2.12
Kidney	2.04	2.10	2.38	0.71	0.79	3.58 ±0.32	3.0 ±0.11	2.38 ±0.37	2.85 ±0.11	2.57 ±0.03
Lung	1.09	1.48	1.18	0.16	0.10	0.54 ±0.23	0.42 ±0.03	0.32 ±0.02	0.23 ±0.05	0.41 ±0.38
Muscle	3.12	2.95	3.63	0.89	ND	5.48 ±1.24	4.43 ±0.4	5.76 ±1	4.11 ±0.4	2.99±0.26
Spleen	0.28	0.25	0.47	0.05	0.05	0.52 ±0.04	0.4 ±0.09	0.54 ±0.07	0.45 ±0.18	0.49 ±0.1
Heart	0.43	0.64	0.51	0.06	0.05	0.42 ±0.08	0.25 ±0.14	0.32 ±0.01	0.29 ±0.05	0.25 ±0.07
<b>Total (%ID)</b>	<b>50.27</b>	<b>52.63</b>	<b>43.83</b>	<b>6.05</b>	<b>5.53</b>	<b>90.28 ±10</b>	<b>71.87±6.35</b>	<b>51.53 ±4.09</b>	<b>75 ±3.9</b>	<b>67.54 ±9.45</b>
Urine						0.96±0.31	0.88±0.20	10	6.88±5.65	7.98±8.54