

**Supplementary Table S7.** RBC properties and RBC membrane components connected to EV characteristics.

RBC parameter	Number of connections with EVs	
	$\beta$ Thal <sup>+</sup>	Control
Proteasome	163	99
Small GTPases	90	139
IgGs	70	28
Kinases	36	49
Molecular chaperones	36	39
Glutaredoxin SH3BGRL	23	9
SH3 domain-binding glutamic acid-rich-like protein	23	9
Ca <sup>2+</sup> -regulated proteins	21	20
Phosphatases	17	2
Long chain fatty acid-CoA ligase 6	17	12
MCH/MCHC	17	6
Glycophorin A	15	5
Spectrins	15	3
Synnexin	15	5
Total antioxidant capacity (supernatant)	14	6
Diamide-induced ROS	3	16
Oxidative hemolysis	15	-
Deoxyribose-phosphate aldolase	13	-
Spontaneous storage hemolysis	12	-