

**Table 2a. Classification of protein biomarkers from serum exosomes based on radiation exposure and time post-exposure.** Spectra count from unique peptides were used as quantitative measurements of protein expression. Red indicates at least 1.5 fold higher expression in the irradiated mice compared to the non-irradiated mice. Green indicates at least 2 fold lower in the irradiated mice compared to the non-irradiated mice. Black indicates no change in protein expression. Expression level of each protein in normal tissue was denoted based on The Human Protein Atlas. ++ indicates high expression and + indicates medium expression in the specified tissue.

**Table 2b. Classification of protein biomarkers from urinary exosomes based on radiation exposure and time post-exposure.** X marks the detection of the protein in the Vesicleopedia database.

		Exosomes							
Accession#	Symbol	24hr	72hr	Plasma	Urine	Cancer	Immune cell	MSC	Additional
<b>Group 1 (2)</b>									
Q91WP6	SPA3N			x					
P41317	MBL2			x		x			Saliva
<b>Group 2 (2)</b>									
P05366	SAA1			x	x	x	x		
P12246	SAMP					x			Saliva
<b>Group 3 (3)</b>									
P05367	SAA2			x	x	x			Saliva
P09813	APOA2								
O88947	FA10								
<b>Group 4 (4)</b>									
Q9DBD0	ICA					x			
Q9ESB3	HRG			x	x	x			
P13020	GSN						x		Oligodendrocytes
Q9JJN5	CPN1								Reticulocytes
<b>Group 5 (13)</b>									
Q9Z126	PF4			x			x		
Q8BH35	C8B			x					
Q61703	ITIH2			x	x	x	x	x	Endothelial cells
Q61702	ITIH1			x	x	x	x		
P70389	IGFALS			x	x	x		x	
Q8K182	C8A			x	x				
P26262	KLKB1			x	x		x		
Q01279	EGFR			x	x	x		x	Saliva
Q08761	PROS1			x	x		x		
P06683	C9			x	x	x	x		Endothelial cells
Q9Z2U1	PSMA5			x	x	x	x	x	Endothelial cells
Q8VCG4	C8G			x	x	x			
Q921I1	TF			x	x	x	x	x	