

34 **Table S6.** The list of proteins exclusively identified in the High-carnosine group  
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Protein ID	Protein name	Gene name
P80226	Fatty acid-binding protein, liver	<i>LBFABP</i>
A0A1D5NZY9	Myosin, heavy chain 7B	<i>MYH7B</i>
P27731	Transthyretin	<i>TTR</i>
F1NK96	Protein disulfide isomerase family A, member 6	<i>PDIA6</i>
F1NRM8	Endoplasmic reticulum resident protein 29	<i>ERP29</i>
Q02960	Macrophage migration inhibitory factor	<i>MIF</i>
Q5ZHP2	O-acetyl-adp-ribose deacetylase 1	<i>OARD1</i>
Q5ZKE7	UMP-CMP kinase	<i>CMPK1</i>
Q5ZMC0	Endothelial differentiation-related factor 1	<i>EDF1</i>
Q90838	Polymerase I and transcript release factor	<i>PTRF</i>
R4GI80	Synaptopodin	<i>SYNPO</i>

36

37