

Supplementary Table S5. List of complement components and matrix metalloproteinases (MMPs) detected in the PPAI-derived conditioned media (proteomic) of IC2.

Category	Gene symbol	Protein ID	Functional role
COMPLEMENT			
<i>Classical pathway / recognition & activation</i>			
	C1QA	P02745	C1q A-chain; recognition subunit initiating the classical complement pathway
	C1QB	P02746	C1q B-chain; structural component of the C1q recognition complex
	C1QC	P02747	C1q C-chain; structural component of the C1q complex
	C1R	P00736	Serine protease activating C1s within the C1 complex
	C1RL	Q9NZP8	C1r-like serine protease; complement-related proteolytic activity
	C1S	P09871	Serine protease cleaving C4 and C2 to form C3 convertase
<i>Central components</i>			
	C2	P06681	Component of classical C3 convertase (C4b2a complex)
	C3	P01024	Central complement component; generates C3a and C3b, amplifying cascade activation
	C4A	P0C0L4	C4 isoform A; participates in C3 convertase formation
	C4B	P0C0L5	C4 isoform B; contributes to classical pathway activation
<i>Complement regulators</i>			
	C4BPA	P04003	Soluble inhibitor of C4b; regulates classical pathway activation
	CFH	P08603	Factor H; major regulator of the alternative complement pathway
<i>Terminal Pathway (Membrane Attack Complex, MAC)</i>			
	C5	P01031	Cleaved into C5a (anaphylatoxin) and C5b (initiates MAC assembly)
	C6	P13671	Binds C5b to initiate membrane attack complex formation
	C7	P10643	Insert into membrane during MAC assembly
	C8A	P07357	Alpha subunit of complement component C8; part of MAC
	C8B	P07358	Beta subunit of complement C8; contributes to pore formation
	C8G	P07360	Gamma subunit of complement C8; stabilizes MAC complex
	C9	P02748	Terminal complement protein; polymerizes to form membrane pore
<i>Complement-Associated Protein</i>			
	C1QBP	Q07021	C1q-binding protein; multifunctional regulator involved in complement and inflammation.
MATRIX METALLOPROTEINASES			
<i>ECM Remodeling</i>			
	MMP1	P03956	Interstitial collagenase; degrades fibrillar collagens (ECM remodeling)
	MMP2	P08253	Gelatinase A; degrades type IV collagen and basement membrane components
	MMP3	P08254	Stromelysin-1; degrades ECM proteins and activates other MMPs