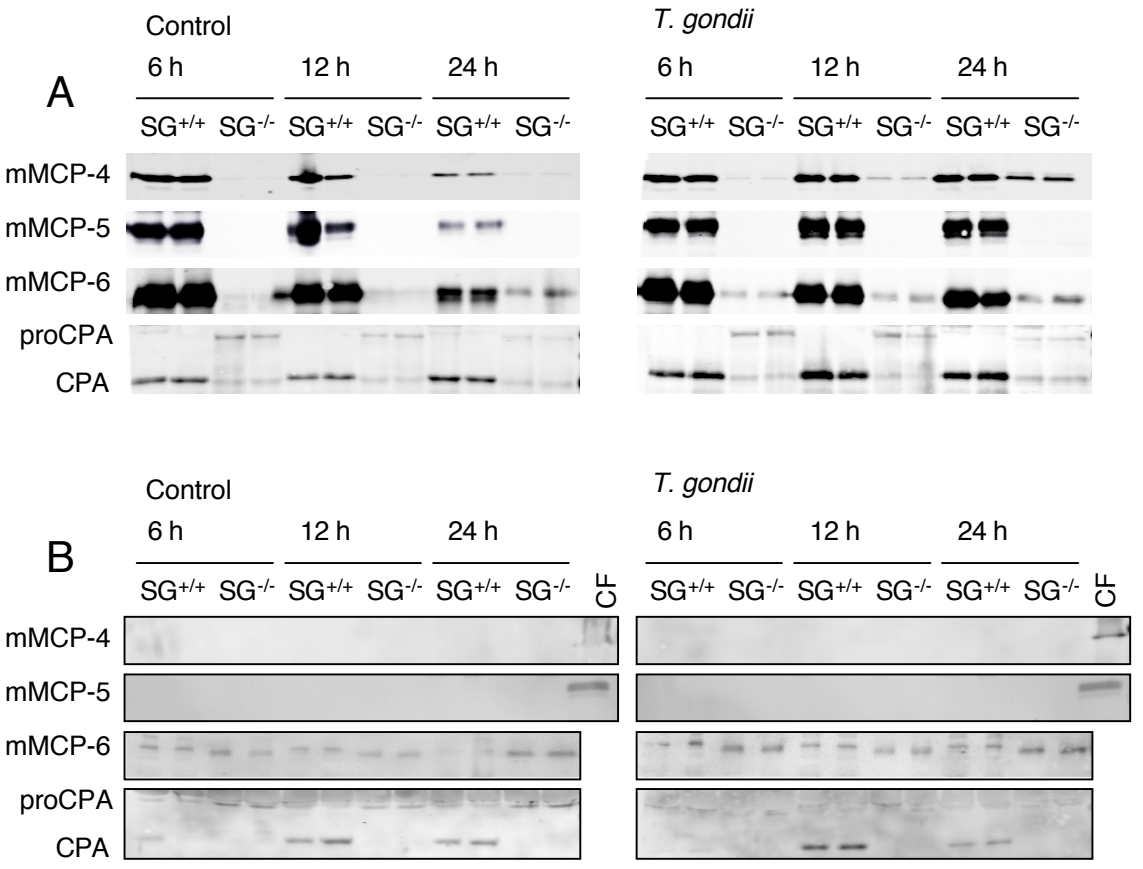

Soluble *T. gondii* antigen (STag) induce weak MC protease release in $SG^{+/+}$ and $SG^{-/-}$ PCMCs. Cell lysates **(**A) and supernatants (B) of PCMC cultures stimulated with STag (20 μg/ml) for indicated time periods and non-stimulated PCMCs (control) were assayed for MC protease expression by Western blot analyses. CF = cellular fraction, of WT PCMCs was included as a positive control of for analysis of the mMCP-4 and mMCP-5 expression in (B).

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SUPPLEMENT TABLE I

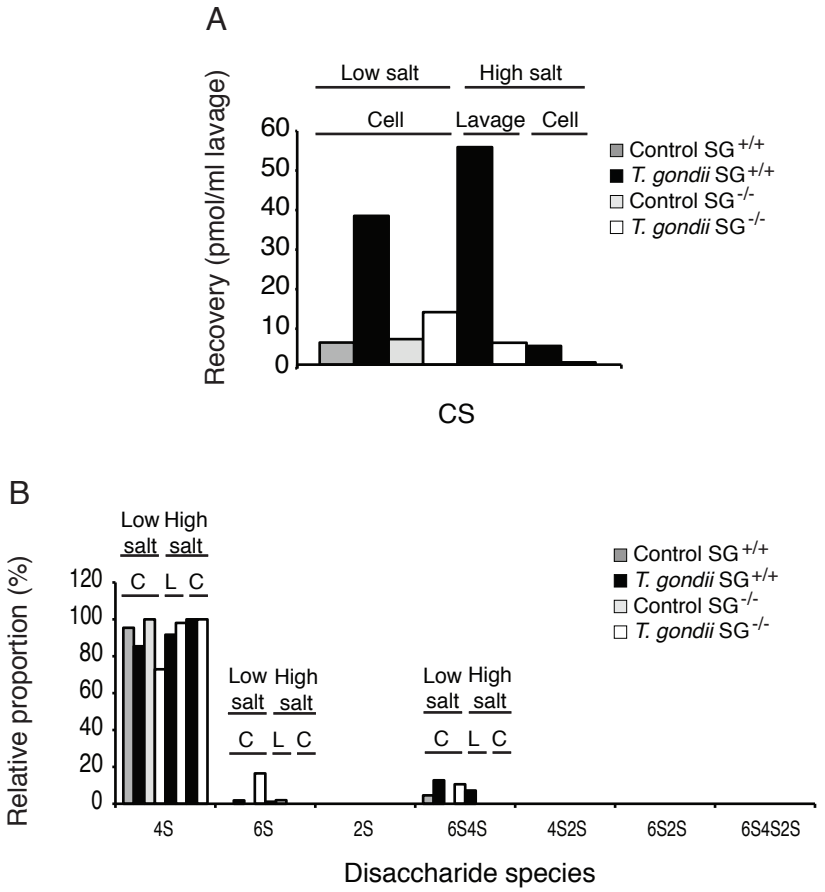
Protease activities in PCMCs[a]

Time point	PCMCs (N = 3 per genotype)	Chymotrypsin-like activity[b] Substrate S-2586	Trypsin-like activity[b] Substrate S-2288	Carboxypeptidase A-like activity[b] Substrate M-2245
6 h	$SG^{+/+}$	7.6 ± 0.2	12.8 ± 0.2	- 1.2 ± 0.1
	$SG^{-/-}$	0.7 ± 0.0	0.8 ± 0.0	ND[c]
24 h	$SG^{+/+}$	14 ± 0.5	12.4 ± 0.1	- 4.7 ± 0.2
	$SG^{-/-}$	0.6 ± 0.0	1.1 ± 0.1	- 1.5 ± 0.1
48 h	$SG^{+/+}$	27 ± 2	21.7 ± 0.2	- 4.7 ± 0.1
	$SG^{-/-}$	0.8 ± 0.1	1.6 ± 0.1	- 1.3 ± 0.3

[a]Cell free supernatants from $SG^{+/+}$ and $SG^{-/-}$ peritoneal cell derived mast cells (PCMCs) stimulated with soluble *T. gondii* antigen (STag) (n=3) were assayed for chymotrypsin-like, trypsin-like, and CPA-like activities as described in *'Experimental Procedures'*.

[b]Activities are expressed as mean change in absorbance (δmOD/(min x ml of cell free exudates) ± SEM). Note that hydrolysis of the CPA substrate results in decreased absorbance.

[c]*ND*, not detected.



A) Recovery of CS from peritoneal lavage of naïve and *T. gondii* challenged mice. Naïve and challenged animals were flushed with PBS (*Low salt*) followed by a high saline buffer (1.5 M NaCl)(*High salt*). GAGs were isolated from lavage (*L*) and cell fraction (*C*) and analyzed as described in *'Experimental Procedures'*. *B)* Disaccharide composition of fractions in *A* after chondroitinase ABC lyase digestion. The disaccharide species created by lyase treatment are indicated: ΔHexA-GalNAc4S (*4S*), ΔHexA-GalNAc6S (*6S*), ΔHexA2S-GalNAc (*2S*), ΔHexA-GalNAc4,6S (*6S4S*), ΔHexA2S-GalNAc4S (*4S2S*), ΔHexA2S-GalNAc6S (*6S2S*), ΔHexA2S-GalNAc4,6S (*6S4S2S*).

Supplement Fig. 2 Sawesi et al.