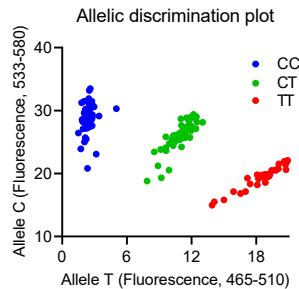


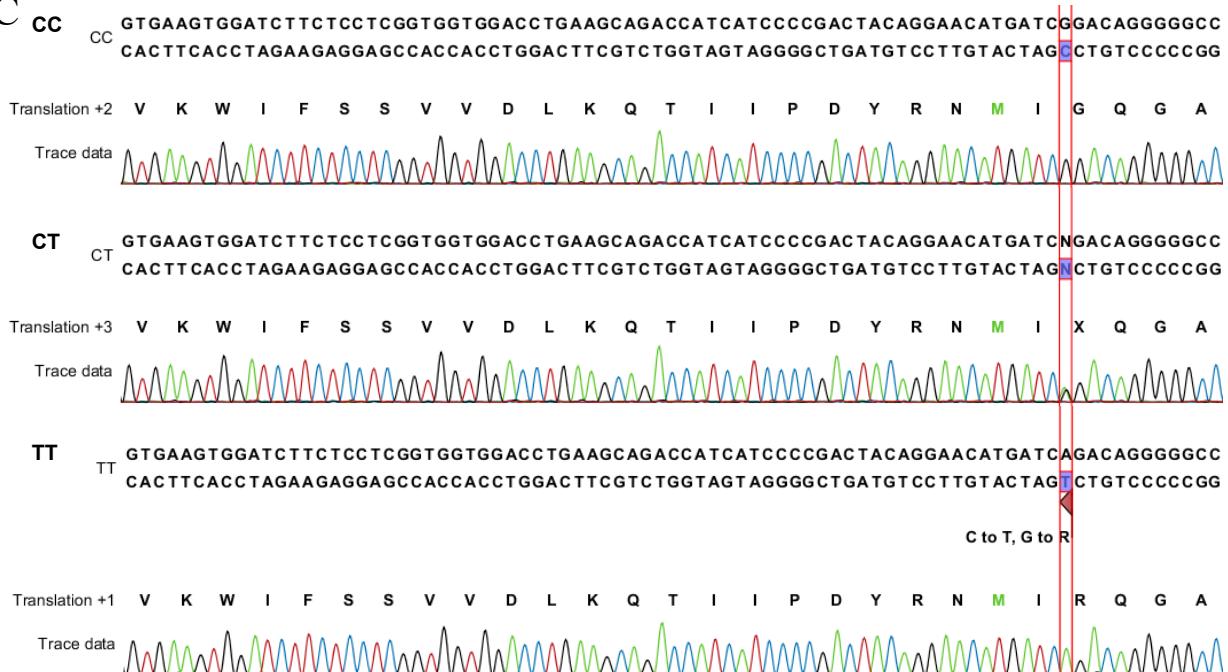
A

		IT motif Y+5
mlgG1	Human	K V K W I F S S V V D L K Q T I I P D Y R N M I G Q G A
mlgG2	Human	- - - - - V - - - - R
mlgG3	Human	- - - - -
mlgG4	Human	- - - - - V - - - - R
mlgG1	Mouse	- - - - - E - - - L V - E - K - - - A P
mlgG2a	Mouse	- - - - - E - - - K - S
mlgG2b	Mouse	- - - - - E - - - K - S
mlgG2c	Mouse	- - - - - E - - - K - S
mlgG3	Mouse	- - - - - Q V - - - A
mlgG	Rat	- - - - - Q V - - - M V
mlgG	Orangutan	- - - - - V
mlgG1	Chimpanzee	- - - - - V
mlgG1	Domestic ferret	- - - - - Q - H - V
mlgG1	Alpaca	- - - - - E - - R - V
mlgG	Arabian camel	- - - - - E - - R - V
mlgG1a	Llama	- - - - - E - - R - V
mlgG1	Horse	- - - - - E - - R - V
mlgG1	Cow	- - - - - E - - R - V
mlgG1	Dog	- - - - - E - - R - V
mlgG1	Pig	- - - - - E - - E - V
mlgG1	Opossum	- - - - - E - - P M - - - M

B



C



1 **Extended Data Fig. 1. The conserved tail sequence of mIgG and the identification of the**
 2 **hIgG1-G396R variant**

3 (A) Sequences of the conserved tail of membrane-bound IgG in different species. (B) The
 4 distribution of three genotypes, including hIgG1-G396R homozygotes, heterozygotes and WT,
 5 detected by TaqMan-probe based genotyping. (C) The aligned target sequences of WT,
 6 hIgG1-G396R heterozygote and homozygote. The C/ T polymorphism are highlighted.