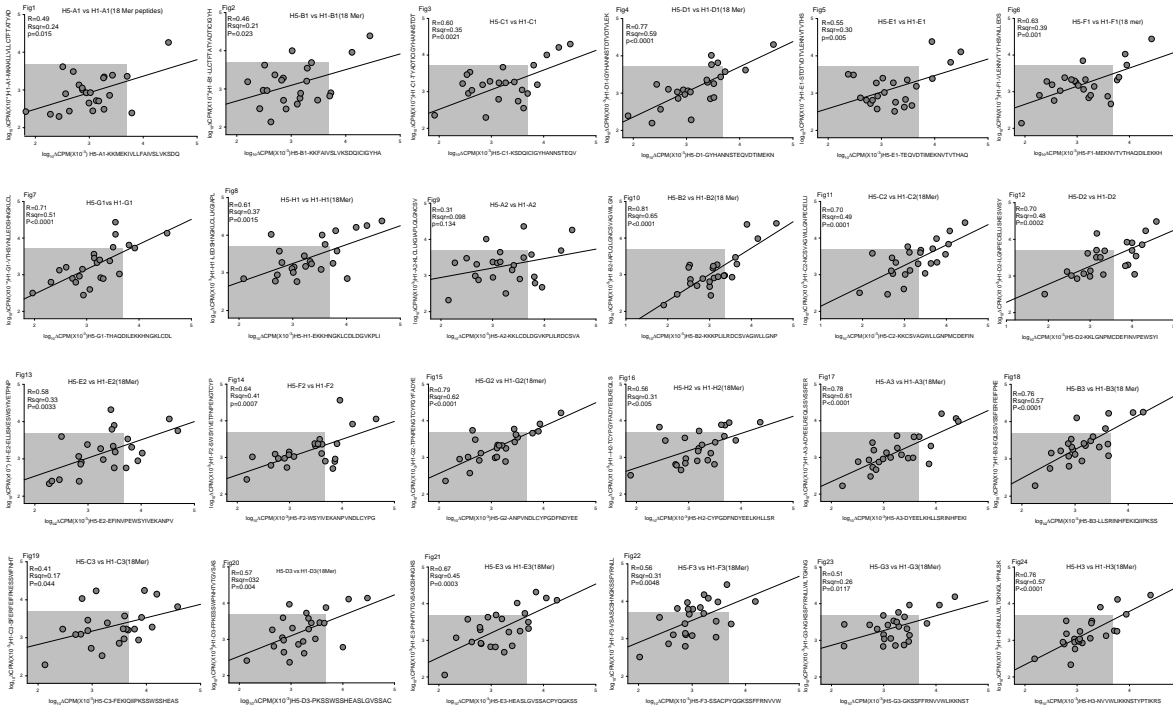


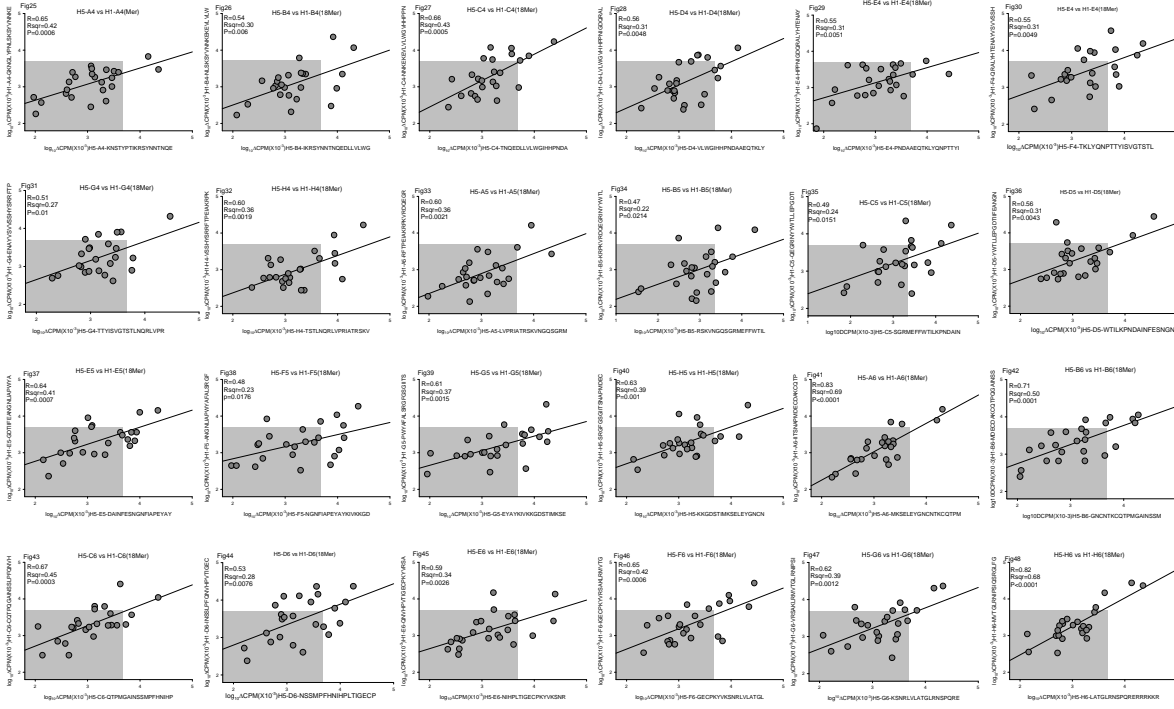
### **Figure Legend to Supplementary Figure 1 (A,B)**

Correlation of  $\log_{10}\Delta\text{cpm}$  responses to 48 H1 and H5 homologous peptides in a cohort of 24 subjects. Gray boxes indicate statistical threshold (2SD) for responders. For each graph, X-axis indicates responses to H5, Y-axis to H1 peptides. Statistics calculated according to SigmaPlot 2000.

# Supplementary 1A



# Supplementary 1B



## Supplementary Table 1

<b><u>Mutant Peptide</u></b>	<b><u>Accession No*</u></b>	<b><u>Peptide sequence</u></b>
A7	AAT39066 (1)	KSDQICIGYHANNWTEQV
B7	AAT39066 (2)	GYHANNWTEQVDTIMEKN
C7	AAS65615 (1)	MEKNVTVTTHAQDILEKTH
D7	AAT73275 (1)	THAQDILEKTHNGKLCDL
E7	AAF74331 (1)	EKTHNGKLCDLNGVKPLI
F7	AAT39065 (1)	EFINVPEWSYIVEKANPA
G7	AAT39065 (2)	WSYIVEKANPANDLCYPG
H7	AAT39065 (3)	ANPANDLCYPGDFNDYEE
A8	AAT39065 (4)	LLSRINHFEEKIQIIPKNS
B8	AAT39065 (5)	FEKIQIIPKNSWSSHEAS
C8	AAT39065 (6)	PKNSWSSHEASLGVSSAC
D8	BAE46949 (1)	PKSSWLSHEASLGVSSAC
E8	AAT73275 (1)	HEASLGVSSVCPYQGKSS
F8	AAS65615 (2)	HEASLGVSSACPYQRKSS
G8	AAT73275 (2)	SSVCPYQGKSSFFRNVVW
H8	AAS65615 (3)	SSACPYQRKSSFFRNVVW
A9	AAS65615 (4)	RKSSFFRNVVWLIIKKNST
B9	AAT39065 (7)	GKSSFFRNVVWLIIKKNNA
C9	AAT39065 (8)	NVVWLIIKKNAYPTIKRS
D9	AAT39065 (9)	KNNAYPTIKRSYNNNTNQE
E9	AAT39065 (10)	VLWGIHHPNDAAEQTRLY
F9	AAT39065 (11)	PNDAAEQTKLYQNPTTYV
G9	AAT73275 (3)	TKLYQNPTTYVSVGTSTL
H9	AAT73725 (4)	TTYVSVGTSTLNQRLVPR
A10	AAT39065 (12)	TSTLNQRLVPKIATRISKV
B10	AAT39065 (13)	LVPKIATRISKVNGQNGRM
C10	AAT39065 (14)	RSKVNGQNGRMEFFWTIL
D10	AAT39065 (15)	NGRMEFFWTILKPNDAIN
E10	AAT39065 (16)	EYAYKIVKKGDSAIMKSE
F10	AAT39065 (17)	KKGDSAIMKSELEYGNCN
B11	AAS65618 (2)	PKSSWSSHEVSLGVSSAC
D11	AAT84153 (4)	VLWGIQHPNDAAEQTKLY
G11	AAT84153 (10)	SGRMEFFRTILKPNDAIN

\*NCBI accession number; in parentheses are shown the number of isolates with the particular peptide sequence.