

A		β1		β2		α2		β3		β4		β5		β6					
		*		*								*							
1tox	13	MEN	FSSYHG	TKP	24	WKG	FYSTDN	KYDAAGYS	10	AGGVVKVTYP	GGL	45	VVL	SL	7	SYEYINNWEQKAALS	VELEINF	368	
1aer	457	GYPVFGYH	GTFL	23	WRGFY	IAGD	PALAYGYA	12	NGALLRVYV	VP	32	LDAIT	7	RL	ETILGWPLAERT	TVVPSIPT	40		
3pax	851	HNRRLLWH	GSRT	25	GKG	IYFADM	VSKSANYC	7	IGLILLGE	VALG	18	HSVKG	35	YNE	EIVYDV	--AQVN	LKYLKL	9	
ci	49	KKTRLLIH	GTRC	26	GEGN	YFSEHV	VOKSLMYT	4	DOILLIYE	VHVG	8	YNGDR	26	NS	EITSYNE	--DOSK	IKYIIHT	2	
h1	854	HNRRLLWH	GSRT	25	GKG	IYFADM	VSKSANYC	7	IGLILLGE	VALG	18	HSVKG	35	YNE	EIVYDI	--AQVN	LKYLKL	9	
m1	854	HNRRLLWH	GSRT	25	GKG	IYFADM	VSKSANYC	7	IGLILLGE	VALG	18	HSVKG	35	YNE	EIVYDI	--AQVN	LKYLKL	9	
h2	420	HNRRMLLW	HGSRM	25	GKG	IYFADM	SSKSANYC	7	TGLLLLSE	VALG	19	HSTKG	38	YNE	EIVYNP	--NOVR	MRYLLKV	8	
1gs0	396	PNRMLLWH	GSRL	25	GKG	IYFADM	SSKSANYC	7	TGLLLLSE	VALG	19	HSTKG	38	YNE	EIVYSP	--NOVR	MRYLLKI	8	
h3	383	GNRKLWH	GNTNM	21	GKG	IYFASEN	SKSAGYV	9	VGVMFLGE	VALG	19	DSVIA	40	QSE	EYLLIQE	--SQCR	LRYLEV	2	
m3	371	GNRKLWH	GNTNV	21	GKG	IYFASEN	SKSAGYV	9	VGVMFLGE	VALG	19	DSVIA	40	QSE	EYLLIYE	--SQCR	LRYLEI	2	
h4	430	GNVRPLLH	GSVP	30	SGS	IYFSDS	LSTS	IKYS	7	TRLLLLIC	DVALG	19	DSVHG	12	DD	EFVVKYT	--NOVK	MKYIKF	1160
m4	542	GNVRPLLH	GSVP	30	SGS	IYFSDS	LSTS	IKYA	7	SRLLVCD	DVALG	19	DSVHG	12	DD	EFVVKYT	--NOVK	MKYIVKF	>672
h5	1176	HNRRMLFH	GSPF	20	GAGI	YFAEN	SSKSNOYV	20	HRQMLFCR	VTLG	18	HSVIG	8	YAE	EYVIYRG	--EQAY	PEYLITY	19	
m5	1169	HNRRMLFH	GSPF	20	GAGI	YFAEN	SSKSNOYV	20	HRQMLFCR	VTLG	18	HSVIG	8	YAE	EYVIYRG	--EQAY	PEYLITY	19	
h6	1023	ANERMLFH	GSPF	20	GAGI	YFAEN	SSKSNOYV	20	HRQMLFCR	VTLG	18	HSVTG	8	LA	EYVIYRG	--EQAY	PEYLITY	11	
m6	1194	ANERMLFH	GSPF	20	GAGI	YFAEN	SSKSNOYV	20	HRQMLFCR	VTLG	18	HSVTG	8	LA	EYVIYRG	--EQAY	PEYLITY	11	
h7	317	NNERLLFH	GTD	23	GKG	IYFAVD	ASYSAKDT	8	RKHM	YVVRVLTG	24	DSVTN	4	PK	LFVFFD	--NQAY	PEYLITF	2	
m7																			
h8	1391	MNEKQLFH	GTD	23	GKG	IYFAVN	ANYSANDT	8	RKHV	YVVRVLTG	24	DTVTD	4	PS	LFVAFYD	--YQAY	PEYLITF	2	
m8	1408	RNEKHLFH	GTEA	23	GKG	IYFAVK	ASACDT	8	RKYM	YVVRVLTG	24	DTVTD	4	PS	IFVVFYD	--NQTY	PEYLITF	2	
h9	697	PVS	HRLFH	QOVY	23	GAGI	YFTKN	LKNLAEKA	8	LIYV	FAEVLGT	23	DSVVD	4	PET	FVIFSG	--MQAI	POYLWTC	33
m9	668	SGS	QRLFH	QOVH	23	GAGI	YFTKS	LKNLADKV	8	LIYV	FAEVLGT	23	DSVVD	4	PET	IVVFNG	--MQAM	PLYLWTC	38
h10	879	PVEQVLYH	GTPA	23	GKG	YVFAK	RASLSVQDR	8	HKAV	FVARVLGT	24	DSAVD	4	PS	IFVIFHD	--TOAL	PLHLITC	21	
m10	828	PVEQVLYH	GTS	23	GQG	YVFAK	RASLSVLD	R	YKAV	FVAQVLGT	23	DSAVD	4	PR	IFVIFHD	--TOAL	PLHLITC	8	
h11	189	INEQMLFH	GTS	23	GKG	YVFARD	AAYS	SRFC	25	YKSM	FLARVLIG	23	DSVCD	4	PK	IFVVFDA	--NQIY	PEYLIDF	1
m11	189	INEQMLFH	GTS	23	GKG	YVFARD	AAYS	SRFC	25	YKSM	FLARVLIG	23	DSVCD	4	PK	IFVVFDA	--NQIY	PEYLIDF	1
h12	556	VDERQLFH	GTS	23	GKG	YVFARD	AAYS	SHYS	5	THTM	FLARVLIG	23	DSCVN	4	PS	IFVIFEK	--HQVY	PEYVIOY	24
m12	566	VDERQLFH	GTS	23	GKG	YVFARD	AAYS	SHYS	5	SHMM	FLARVLIG	23	DSCVN	4	PT	IFVIFEK	--HQVY	PEYVIOY	24
h13	779	EEGKLLFH	YATSR	23	GKG	IYFAK	DAIY	SHKNC	5	NVVM	FVAQVLIG	16	DSVCD	4	PS	VVFIFQK	--DOVY	POYVIEY	12
m13	870	KTEMFLFH	AVGR	23	GKG	NYFTK	EAMYS	HKSC	5	GTVM	FVARVLIG	16	DSVCD	4	PS	VVFIFRK	--EQIY	PEYVIEY	12
h14	524	INERHLFH	GTSQ	23	GQG	SYFAK	ASYS	SHNFS	6	VHFM	FLAKVLGT	25	DSVCD	4	PO	IFVIFND	--DOSY	PFVIOY	9
m14	524	INERHLFH	GTSQ	23	GQG	SYFAK	ASYS	SHNFS	6	VHFM	FLAKVLGT	25	DSVCD	4	PO	IFVIFND	--DOSY	PFVIOY	9
h15	144	RDLYAFH	GSRL	21	GEGT	YLTSD	LSL	ALYS	23	IDHP	PDVKCQTKK	6	DRRA	11	PK	YFVVTNN	--QLLR	VKYLIVY	51
m15	144	RDLYAFH	GSRL	21	GEGT	YLTSD	LSL	ALYS	23	IDHP	PDVKCQTKK	6	DRRA	11	PK	YFVVTNN	--QLLR	VKYLIVY	51
h16	689	FGSTFAFH	GSHI	26	SGS	IYLS	SPMSS	ISFGYS	35	LQSR	NLKCIALC	6	DLHKH	0	GE	IWVVPNT	--DHVC	TRFFVY	32
m16	687	FGSTFAFH	GSHI	26	SGS	IYLS	SPMSS	ISFGYS	35	LQSR	NLKCIALC	6	DLHKH	0	GE	IWVVPNT	--DHVC	TRFFVY	32
h17	465	YGSTFAFH	GSHI	26	GKG	IYLS	SPIS	ISFGYS	35	LQSR	NLNCIALC	6	DLQKH	0	GN	IWVCPVS	--DHVC	TRFFVY	32
m17	465	YGSTFAFH	GSHI	26	GKG	IYLS	SPIS	ISFGYS	35	LQSR	NLNCIALC	6	DLQKH	0	GN	IWVCPVS	--DHVC	TRFFVY	32
		β1		β2		α2		β3		β4		β5		β6					

B		tox	aer	ci	g01	h01	h02	h03	h04	h05	h06	h07	h08	h09	h10	h11	h12	h13	h14	h15	h16	h17	ddt
tox	***	30	15	18	18	18	20	15	15	15	15	17	21	9	14	14	15	9	11	17	11	12	ddt
aer	30	***	18	17	17	20	20	18	17	17	15	14	6	20	15	15	17	12	12	15	9	9	aer
ci	15	18	***	36	38	36	32	36	30	32	26	26	15	21	21	27	24	27	18	17	15	ci	
g01	18	17	36	***	97	79	56	47	47	44	33	29	23	26	33	27	26	26	23	26	26	g01	
h01	18	17	38	97	***	79	56	49	49	46	35	29	23	24	32	29	26	27	23	26	26	h01	
m01	18	17	38	97	100	79	56	49	49	46	35	29	23	24	32	29	26	27	23	26	26	m01	
h02	18	20	36	79	79	***	58	50	47	46	33	27	21	24	32	29	26	27	23	30	29	h02	
m02	17	21	36	76	76	92	53	52	44	44	35	29	26	27	33	30	27	27	24	29	29	m02	
h03	20	20	32	56	56	58	***	36	44	41	36	33	29	32	33	35	36	33	21	23	24	h03	
m03	20	20	35	56	58	55	95	41	46	42	38	32	29	32	33	36	33	35	21	23	24	m03	
h04	15	18	36	47	49	50	36	***	46	47	38	29	26	26	32	33	27	30	24	30	26	h04	
m04	14	17	32	46	47	47	36	91	44	46	39	29	29	26	32	30	29	29	26	30	26	m04	
h05	15	17	30	47	49	47	44	46	***	94	46	41	35	38	39	41	32	38	21	24	23	h05	
m05	15	17	30	47	49	48	44	46	100	94	46	41	35	38	39	41	32	38	21	24	23	m05	
h06	15	17	32	44	46	46	41	47	94	***	46	42	35	38	38	39	30	36	21	24	23	h06	
m06	15	17	32	44	46	46	41	47	94	100	46	42	35	38	38	39	30	36	21	23	23	m06	
h07	17	15	26	33	35	33	36	38	46	46	***	79	36	55	62	55	47	50	29	17	17	h07	
h08	21	14	26	29	29	27	33	29	41	42	79	***	39	55	55	50	42	47	21	14	15	h08	
m08	17	15	24	30	30	30	38	33	41	41	79	82	36	55	61	52	44	53	24	18	18	m08	
h09	09	06	15	23	23	21	29	26	35	35	36	39	***	46	35	33	39	36	18	15	14	h09	
m09	07	05	18	26	24	24	29	27	33	33	36	36	82	41	36	30	35	35	20	20	15	m09	
h10	14	20	21	26	24	24	32	26	38	38	55	55	46	***	52	50	46	52	20	15	17	h10	
m10	12	20	21	24	23	23	30	26	33	33	50	50	46	91	52	47	47	55	20	15	15	m10	
h11	14	15	21	33	32	32	33	32	39	38	62	55	35	52	***	64	53	59	24	20	20	h11	
m11	14	15	21	33	32	32	33	32	39	38	62	55	35	52	100	64	53	59	24	20	20	m11	
h12	15	17	27	27	29	29	35	33	41	39	55	50	33	50	64	***	62	67	24	23	24	h12	
m12	15	17	26	29	30	29	32	33	39	38	56	49	32	47	65	94	59	65	26	24	24	m12	
h13	9	12	24	26	26	26	36	27	32	30	47	42	39	46	53	62	***	56	18	17	18	h13	
m13	11	7	24	21	21	23	30	26	38	36	47	44	39	47	55	61	70	53	20	15	17	m13	
h14	11	12	27	26	27	27	33	30	38	36	50	47	36	52	59	67	56	***	21	26	24	h14	
m14	11	12	27	26	27	27	33	30	38	36	50	47	36	52	59	67	56	100	21	26	24	m14	
h15	17	15	18	23	23	23	21	24	21	21	29	21	18	20	24	24	18	21	***	30	26	h15	
m15	17	15	18	23	23	23	21	24	20	20	29	21	18	20	24	24	18	21	97	30	26	m15	
h16	11	9	17	26	26	30	23	30	24	24	17	14	15	15	20	23	17	26	30	***	86	h16	
m16	11	9	17	26	26	30	23	30	23	23	17	14	15	15	20	23	17	26	30	100	86	m16	
h17	12	9	15	26	26	29	24	26	23	23	17	15	14	17	20	24	18	24	26	86	***	h17	
m17	12	9	15	26	26	29	24	26	23	23	17	15	14	17	20	24	18	24	26	86	100	m17	
ddt	aer	ci	g01	h01	h02	h03	h04	h05	h06	h07	h08	h09	h10	h11	h12	h13	h14	h15	h16	h17			