

ASB3保守性分析

													Section 1
	(1)	1	10	20	30	40	50	60	70	80	90	100	
Homo sapiens (Human)	(1)	MDFTEA	A	T	C	S	T	V	G	L	A	A	E
Rhesus macaque	(1)	MDFTEA	A	T	C	S	T	V	G	L	A	A	E
Pia	(1)	MDFTEA	S	T	C	S	T	V	G	L	A	A	E
Horse	(1)	MDFTEA	S	T	C	S	T	V	G	L	A	A	E
Mus musculus (Mouse)	(1)	MDFTEA	S	T	C	S	T	V	G	L	A	A	E
African clawed frog	(1)	MDFTEA	T	R	C	S	S	V	G	H	A	A	T
Zebrafish	(1)	MDFTEA	C	A	S	S	C	A	A	A	D		
Consensus	(1)	MDFTEA	A	T	C	S	T	V	G	L	A	A	E
													Section 2
	(101)	101	110	120	130	140	150	160	170	180	190	200	
Homo sapiens (Human)	(100)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
Rhesus macaque	(100)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
Pia	(100)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
Horse	(100)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
Mus musculus (Mouse)	(100)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
African clawed froa	(100)	QAGADP	E	V	N	E	E	T	T	P	L	F	L
Zebrafish	(101)	KAGADP	R	K	N	D	L	S	C	P	L	F	L
Consensus	(101)	EAGADP	N	A	T	L	E	E	T	P	L	F	L
													Section 3
	(201)	201	210	220	230	240	250	260	270	280	290	300	
Homo sapiens (Human)	(200)	S	---	S	G	A	N	V	N	C	A	L	D
Rhesus macaque	(200)	S	---	S	G	A	N	V	N	C	A	L	D
Pia	(200)	S	---	S	G	A	N	V	N	C	A	L	D
Horse	(200)	S	---	S	G	A	N	V	N	C	A	L	D
Mus musculus (Mouse)	(200)	S	---	S	G	A	N	V	N	C	A	L	D
African clawed froa	(200)	L	H	E	L	H	Y	V	S	G	A	N	V
Zebrafish	(200)	N	---	A	S	G	A	N	V	N	C	A	L
Consensus	(201)	S	---	S	G	A	N	V	N	C	A	L	D
													Section 4
	(301)	301	310	320	330	340	350	360	370	380	390	400	
Homo sapiens (Human)	(294)	DCLEML	L	N	G	Y	S	P	D	A	Q		
Rhesus macaque	(294)	DCLEML	L	N	G	Y	S	P	D	A	Q		
Pia	(294)	ECLEML	L	N	G	Y	S	P	D	A	Q		
Horse	(294)	ACLEML	L	N	G	Y	S	P	D	A	Q		
Mus musculus (Mouse)	(294)	ECLEML	L	N	G	Y	S	P	D	A	Q		
African clawed froa	(300)	DCLEML	L	N	G	Y	S	P	D	A	Q		
Zebrafish	(294)	DS	R	A	L	L	N	G	Y	S	P	D	
Consensus	(301)	DCLEML	L	N	G	Y	S	P	D	A	Q		

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Section 5

	(401)	401	410	420	430	440	450	460	470	480	490	500
Homo sapiens (Human) (383)	HAIKAQ	AKYKEWLP	HLIVAGFD	LLILCN	SWIDSVSI	ITLT	LFTLEFTNWK	TPPAVERMLS	SARASN	AWILQQHIAT	VPSL	THLCRLEIRSSLKSERLR
Rhesus macaque (383)	HAIKAQ	AKYKEWLP	HLIVAGFD	QILCS	SWIDSVSI	ITLT	LFTLEFTNWK	TPPAVERMLS	SARASN	AWILQQHIAT	VPSL	THLCRLEIRSSLKSERLR
Pia (383)	HAVKAQ	TKYKENLS	LLLAGFDE	INILCS	SWIDSVSD	IVL	LFTLEFTNWRRL	PPAVEKMLS	SARASNS	SWALQQHIASV	PSL	THLCRVEIRSSLKPEHLR
Horse (383)	HAIKAQ	TKYKENLS	LLLAGFDE	INILCS	SWIDSVSD	ITLT	LFTLEFTNWKRL	PPAVEKMLS	ASNAS	SWALQQHIASV	PSL	THLCRLEIRSLRKPGLHLR
Mus musculus (Mouse) (383)	YAVKAQ	TKYKAWLP	HLLAGFDE	LLILCSS	WVDSAD	ITLT	LFTLFSNWKRL	PPAVEKMLSV	RANS	SWALQQHLASV	PSL	THLCRLEIRASLKAHLH
African clawed frog (387)	YVCNAQ	QWEENL	LLLAGFDE	LLILHIDV	VWIRSVN	DFN	LFTLEFTDKRRL	PPGHVEQY	SVQRKAS	ARTQLKPF	ETIPA	MHLCRILQIRSLTTLTLR
Zebrafish (393)	RALTEV	KDASFL	HLKAGLD	MLAQD	KLLEAGN	ANF	EFVNNKT	TPSEMQLI	AHRR	AGETW	TPRKHFE	SVVLAHLCLRLAVGAHVGS
Consensus (401)	HAIKAQ	KYKEWLP	LLLAGFDPL	ILLCS	SWIDSVSD	LFTLEFTNWKRL	PPAVEKMLS	SARASN	AW	LQQHIASVPSL	THLCRLEIRSSLKSE	LR

Consensus (501)

(501) 501 510 520 530 549

Homo sapiens (Human) (481) SDSY S Q D L P R S L H N Y L L Y A D V L R M Y E V P E L A A I Q D G -----

Rhesus macaque (481) SDSY S E L P L R S L H N Y L L Y A D V L R M Y E V P E L A A I Q D G -----

Pia (482) C D N F H Q L P L R S L H D Y L L Y A E V L R M N E I P E L A V I Q D E E I S E A T -----

Horse (482) SDSF C Q D L P R S L H N Y L L Y A D V L R M N E V P E L A V I Q G E E I S E A T -----

Mus musculus (Mouse) (482) S D I F H Q L P L R S L Q N Y L L Y E E V L R M N E I L E P A A N Q D G E T S K A T -----

African clawed frog (486) S A E F C T L P L V C Q D F H Y S D V L F K Y A I T R M P N S S - G S I T R T T G Q S S D

Zebrafish (492) K P S F Q L L S I S L Q D Y H F S D S G L L T -----

Consensus (501) SDSFI QLPLPRSLHNYLLYADVLRM EIPELA IQDG S T