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xMLTK α		xMLTK β	
Homo sapiens	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL	Homo sapiens	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL
Mus musculus	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL	Mus musculus	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL
Gallus gallus	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL	Xenopus laevis	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL
Xenopus laevis	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL		
Danio rerio	1 MSERGRSFVQIRFDLDFENCGGSGFGSVYRANKSDQREAVVKKLLKIEKAEILISL		
Homo sapiens	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY	Homo sapiens	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY
Mus musculus	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY	Mus musculus	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY
Gallus gallus	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY	Xenopus laevis	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY
Xenopus laevis	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY		
Danio rerio	61 SRHNIIQFYGVILPEPNYIVTEYASGSLVDYINSRSEMMUMHIMHAWDVARGMHY		
Homo sapiens	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS	Homo sapiens	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS
Mus musculus	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS	Mus musculus	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS
Gallus gallus	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS	Xenopus laevis	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS
Xenopus laevis	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS		
Danio rerio	121 LRMEAFVIVHRLDKSRNVVLAAGVILKICDFGASRFRPHHTHMSLVGTFPMAPEVIQS		
Homo sapiens	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL	Homo sapiens	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL
Mus musculus	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL	Mus musculus	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL
Gallus gallus	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL	Xenopus laevis	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL
Xenopus laevis	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL		
Danio rerio	181 LPVSETCDTISYGVVHEMLIRNPFKLEGLQVAVLVVERELTIPSSCFRFAELRL		
Homo sapiens	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD	Homo sapiens	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD
Mus musculus	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD	Mus musculus	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD
Gallus gallus	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD	Xenopus laevis	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD
Xenopus laevis	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD		
Danio rerio	241 QWEADAKRRPFQKINSHLESMSNDLSLPPDCNSFLHNKAERCEITLRLRLRLERD		
Homo sapiens	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE	Homo sapiens	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE
Mus musculus	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE	Mus musculus	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE
Gallus gallus	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE	Xenopus laevis	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE
Xenopus laevis	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE		
Danio rerio	301 LSREQLKERERLRLKRWKRLIQESRFLPSEFLQWTDVIVYQVILVRKGSVAE		
Homo sapiens	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI	Homo sapiens	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI
Mus musculus	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI	Mus musculus	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI
Gallus gallus	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI	Xenopus laevis	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI
Xenopus laevis	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI		
Danio rerio	361 MSVYSLRKENNITGRLLLRDQDRLGIVSRGHITRQPIEKLTHDVNLPHFFPEI		
Homo sapiens	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI	Homo sapiens	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI
Mus musculus	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI	Mus musculus	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI
Gallus gallus	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI	Xenopus laevis	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI
Xenopus laevis	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI		
Danio rerio	421 IRDSAGEPEENE—RNVNLELVFGHRLGDFGQDKRWYME DGSVAIVIKDVTI		
Homo sapiens	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK	Homo sapiens	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK
Mus musculus	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK	Mus musculus	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK
Gallus gallus	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK	Xenopus laevis	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK
Xenopus laevis	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK		
Danio rerio	479 NNRLEPAILMTRKPPFVQKRWLVGAKSGTVECTIVYVSRIFSRPQVHSTQSRKIK		
Homo sapiens	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ	Homo sapiens	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ
Mus musculus	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ	Mus musculus	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ
Gallus gallus	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ	Xenopus laevis	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ
Xenopus laevis	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ		
Danio rerio	539 PDEVRVQALATLTLTNSDENPGRSDSADQGLDRLRVAIASHTS—LQRSQ		
Homo sapiens	593 SN—PILGDFEFSHFDGDSYAAAVRRTQVVKIQVITR—VKSRSSEPTQYGRITKHS	Homo sapiens	593 SN—PILGDFEFSHFDGDSYAAAVRRTQVVKIQVITR—VKSRSSEPTQYGRITKHS
Mus musculus	593 SN—PILGDFEFVYFANQDSYAAAVRRTQVVKIQVITR—VKSRSSEPTQYGRITKHS	Mus musculus	593 SN—PILGDFEFVYFANQDSYAAAVRRTQVVKIQVITR—VKSRSSEPTQYGRITKHS
Gallus gallus	593 PHESTVSHYLPYLGSDSYAAAVRRTQVYVYHS—LSEGRSSSELSHSYRNL	Xenopus laevis	593 PHESTVSHYLPYLGSDSYAAAVRRTQVYVYHS—LSEGRSSSELSHSYRNL
Xenopus laevis	593 PHESTVSHYLPYLGSDSYAAAVRRTQVYVYHS—LSEGRSSSELSHSYRNL		
Danio rerio	593 PHESTVSHYLPYLGSDSYAAAVRRTQVYVYHS—LSEGRSSSELSHSYRNL		
Homo sapiens	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR	Homo sapiens	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR
Mus musculus	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR	Mus musculus	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR
Gallus gallus	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR	Xenopus laevis	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR
Xenopus laevis	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR		
Danio rerio	651 HL—NRDSESSGNTDTSSEPRYSIDSRNRKVRGSSILNLSFGRYGRKSQRTSRGR		
Homo sapiens	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE	Homo sapiens	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE
Mus musculus	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE	Mus musculus	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE
Gallus gallus	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE	Xenopus laevis	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE
Xenopus laevis	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE		
Danio rerio	710 YPKRFFYVSGSLNPHQSGDFIKRSE—RDLQDTHTPKQPLHTRSRASEDKSVKSE		
Homo sapiens	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—	Homo sapiens	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—
Mus musculus	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—	Mus musculus	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—
Gallus gallus	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—	Xenopus laevis	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—
Xenopus laevis	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—		
Danio rerio	768 HLEVEYRKRPHRP—SKARTNTERARDDREKRF—		