

Figure S6. Multiple alignment of GH24l motif sequences.

		
tr O30554	O30554_NEIGO	SDASGRYQF	
tr D1DW23	D1DW23_NEIGO	SDASGRYQF	
tr D1DJAA2	D1DJAA2_NEIGO	SDASGRYQF	
tr D1DC5	D1DC5_NEIGO	SDASGRYQF	
tr Q5K692	Q5K692_NEIGO	SDASGRYQF	
tr D1E2S1	D1E2S1_NEIGO	SDASGRYQF	
tr D1EFJ4	D1EFJ4_NEIGO	SDASGRYQF	
tr B9TBF9	B9TBF9_RICCO	TTAACGMYQI	
tr D1TAW4	D1TAW4_9BURK	TTAACGLYQI	
tr A2SGW7	A2SGW7_METPP	SSAACGRYQL	
tr D1UM48	D1UM48_9BURK	STAAGAYQF	
tr B2KJU8	B2KJU8_BURPS	SSAACGAYQF	
tr Q0K1M1	Q0K1M1_RALEH	SSAACGAYQF	
tr A7FIU8	A7FIU8_YERP3	TSAACGRYQF	
tr C4SUV2	C4SUV2_YERFR	TSAACGRYQF	
tr D2C286	D2C286_DICD5	TSAACGRYQF	
tr C5A0Z7	C5A0Z7_ECOBW	STGAGRYQL	
tr C6ZCX1	C6ZCX1_LAMBD	STGAGRYQL	
tr C5W1U5	C5W1U5_ECOBB	STGAGRYQL	
tr C6EJG0	C6EJG0_ECOBD	STGAGRYQL	
tr Q716B5	Q716B5_BPSFV	STAAGRYQL	
tr B7UG35	B7UG35_ECO27	STAAGRYQL	
tr Q0T7S1	Q0T7S1_SHIF8	STAAGRYQL	
tr B3H979	B3H979_ECOLX	STAAGRYQL	
tr C8UCS0	C8UCS0_ECO1A	STAAGRYQL	
tr A5VW81	A5VW81_9CAUD	STAAGRYQL	
tr A1ADL8	A1ADL8_ECOK1	STAAGRYQL	
tr Q1R938	Q1R938_ECOUNT	STAAGRYQL	
tr B7MGZ0	B7MGZ0_ECO45	STAAGRYQL	
tr Q9MCT2	Q9MCT2_BPHK0	STAAGRYQL	
tr D3GYY0	D3GYY0_ECOLX	STAAGRYQL	
tr C6ZR65	C6ZR65_9CAUD	STAAGRYQL	
tr B9UDJ1	B9UDJ1_9CAUD	STAAGRYQL	
tr D2A7X6	D2A7X6_SHIF2	STAAGRYQL	
tr C8TV15	C8TV15_ECO26	STAAGRYQL	
tr C1HNI2	C1HNI2_9ESCH	STAAGRYQL	
tr Q9MCN4	Q9MCN4_BPHK7	STAAGRYQL	
tr Q77IT9	Q77IT9_BPHK6	STAAGRYQL	
tr Q57SQ6	Q57SQ6_SALCH	STAAGRYQL	
tr C0PZH3	C0PZH3_SALPC	STAAGRYQL	
tr A7ZWN9	A7ZWN9_ECOHS	STAAGRYQL	
tr B3BQ98	B3BQ98_ECO57	STAAGRYQL	
tr B3HV98	B3HV98_ECOLX	STAAGRYQL	
tr B3WIU8	B3WIU8_ECOLX	STAAGRYQL	
tr B3A9F3	B3A9F3_ECO57	STAAGRYQL	
tr B3AU10	B3AU10_ECO57	STAAGRYQL	
tr B2PPB9	B2PPB9_ECO57	STAAGRYQL	
tr B2NUN6	B2NUN6_ECO57	STAAGRYQL	
tr B2P6W5	B2P6W5_ECO57	STAAGRYQL	
tr B3B464	B3B464_ECO57	STAAGRYQL	
tr B3BIH7	B3BIH7_ECO57	STAAGRYQL	
tr B3BZ35	B3BZ35_ECO57	STAAGRYQL	
tr B6ZZG5	B6ZZG5_ECO57	STAAGRYQL	
tr B5YXF1	B5YXF1_ECO5E	STAAGRYQL	
tr C6URV2	C6URV2_ECO5T	STAAGRYQL	
tr Q8X705	Q8X705_ECO57	STAAGRYQL	
tr C1HJG8	C1HJG8_9ESCH	STAAGRYQL	
tr B7MJP3	B7MJP3_ECO45	STAAGRYQL	
tr A1AEH9	A1AEH9_ECOK1	STAAGRYQL	
tr Q1R868	Q1R868_ECOUNT	STAAGRYQL	
tr C8U911	C8U911_ECO10	STAAGRYQL	
tr B7M8F2	B7M8F2_ECO8A	STAAGRYQL	
tr B3HTJ2	B3HTJ2_ECOLX	STAAGRYQL	
tr B2N2G4	B2N2G4_ECOLX	STAAGRYQL	
tr B3WTB5	B3WTB5_ECOLX	STAAGRYQL	
tr Q8Z617	Q8Z617_SALTI	STAAGRYQL	
tr B7NA40	B7NA40_ECOLU	STAAGRYQL	
tr Q8SBE0	Q8SBE0_BPSF5	STAAGRYQL	
tr B5FL63	B5FL63_SALDC	STAAGRYQL	
tr B7LJL2	B7LJL2_ESCF3	STAAGRYQL	
tr B3I771	B3I771_ECOLX	STAAGRYQL	
tr B2U3U2	B2U3U2_SHIB3	STAAGRYQL	
tr B5XR49	B5XR49_KLEP3	STAAGRYQL	

tr	B1GS82	B1GS82_9CAUD	STAAAGRYQV
tr	B3RGM4	B3RGM4_9CAUD	SSAAGRYQV
tr	B2FRB3	B2FRB3_STRMK	SSAAGRYQF
tr	B4SMC4	B4SMC4_STRM5	SSAAGRYQF
tr	B8KZT2	B8KZT2_9GAMM	SSAAGRYQF
tr	Q88G71	Q88G71_PSEPK	SSAAGRYQF
tr	Q0BEL5	Q0BEL5_BURCM	STAAAGRYQI
tr	Q6J1Q5	Q6J1Q5_9CAUD	STAAAGRYQI
tr	A4LDY2	A4LDY2_BURPS	STAAAGRYQI
tr	A4JDH1	A4JDH1_BURVG	STAAAGRYQL
tr	Q9MC90	Q9MC90_BPD3	STAAAGRYQL
tr	B5S318	B5S318_RALSO	STAAAGRYQL
tr	Q8XYQ8	Q8XYQ8_RALSO	STAAAGRYQL
tr	B4SNI7	B4SNI7_STRM5	STGAGRYQL
tr	B5PLH9	B5PLH9_SALET	STASGRYQQ
tr	C9XHB2	C9XHB2_SALTD	STASGRYQQ
tr	B5MYZ0	B5MYZ0_SALET	STASGRYQQ
tr	Q6K1I1	Q6K1I1_9CAUD	STASGRYQQ
tr	B5MU90	B5MU90_SALET	STASGRYQQ
tr	O80309	O80309_BP186	STASGRYQQ
tr	C6V0R3	C6V0R3_ECO5T	STASGRYQQ
tr	B7MEC0	B7MEC0_ECO45	STASGRYQQ
tr	B5YUG0	B5YUG0_ECO5E	STASGRYQQ
tr	A1A9F8	A1A9F8_ECOK1	STASGRYQQ
tr	C1NGQ4	C1NGQ4_9ESCH	STASGRYQQ
tr	B3BVK4	B3BVK4_ECO57	STASGRYQQ
tr	B3AVQ9	B3AVQ9_ECO57	STASGRYQQ
tr	B3A901	B3A901_ECO57	STASGRYQQ
tr	Q76ZD6	Q76ZD6_9CAUD	STASGRYQQ
tr	B1EPP6	B1EPP6_9ESCH	STASGRYQQ
tr	B2N3V9	B2N3V9_ECOLX	STASGRYQQ
tr	B2PP35	B2PP35_ECO57	STASGRYQQ
tr	B2PD69	B2PD69_ECO57	STASGRYQQ
tr	B2NU14	B2NU14_ECO57	STASGRYQQ
tr	Q7Y4E4	Q7Y4E4_BPP2	STASGRYQQ
tr	B3BLU1	B3BLU1_ECO57	STASGRYQQ
tr	B1LMX9	B1LMX9_ECOSM	STASGRYQQ
tr	A6TE68	A6TE68_KLEP7	STASGRYQQ
tr	C6CF31	C6CF31_DICZE	STAAAGRYQQ
tr	D2BWX0	D2BWX0_DICD5	STAAAGRYQQ
tr	C6C704	C6C704_DICDC	STAAAGRYQQ
tr	B8L8I5	B8L8I5_9GAMM	SNASGRYQF
tr	B8L9S2	B8L9S2_9GAMM	SNASGRYQF
tr	Q46YK5	Q46YK5_RALEJ	SNAAGRYQH
tr	Q6UYK3	Q6UYK3_9CAUD	STASGRYQQ
tr	A4SL92	A4SL92_AERS4	STAAAGRYQF
tr	A5X9I5	A5X9I5_9CAUD	STAAAGRYQF
tr	B0JGM5	B0JGM5_MICAN	STAAAGRYQF
tr	C4U050	C4U050_YERKR	SSAAGAYQV
tr	B4E744	B4E744_BURCJ	SSAAGAYQI
tr	B8HW77	B8HW77_CYAP4	TTAAAGRYQF
tr	Q8DK42	Q8DK42_THEEB	TTAAAGRYQF
tr	B0CAN4	B0CAN4_ACAM1	TTAAAGRYQF
tr	B7KAY2	B7KAY2_CYAP7	TTAAAGRYQF
tr	B4B7H5	B4B7H5_9CHRO	STAAAGRYQF
tr	B4VYB5	B4VYB5_9CYAN	TTAAAGRYQF
tr	Q3M520	Q3M520_ANAVT	STAAAGRYQI
tr	Q8YTG5	Q8YTG5_ANASP	STAAAGRYQI
tr	A0ZIR9	A0ZIR9_NODSP	STAAAGRYQI
tr	B2J3F8	B2J3F8_NOSP7	STAAAGRYQI
tr	P74105	P74105_SYNYY3	STASGRYQF
tr	B5W3E0	B5W3E0_SPIMA	TTAAAGRYQF
tr	Q117E2	Q117E2_TRIEI	STAAAGRYQM
tr	B4WPE7	B4WPE7_9SYNE	TTAAAGRYQF
tr	A3IRW1	A3IRW1_9CHRO	STAAAGRYQF
tr	B1WYC8	B1WYC8_CYAA5	STAAAGRYQF
tr	B7JUQ2	B7JUQ2_CYAP8	STAAAGRYQF
tr	Q55936	Q55936_SYNYY3	STAAAGRYQF
tr	A0YIW4	A0YIW4_9CYAN	TTAAAGRYQL
tr	A4CXH0	A4CXH0_SYNPV	SAAAGAYQF
tr	A5GJU0	A5GJU0_SYNPW	SAAAGAYQF
tr	A3Z536	A3Z536_9SYNE	SAAAGAYQF
tr	Q05R76	Q05R76_9SYNE	SAAAGAYQF
tr	Q0I904	Q0I904_SYNNS3	SAAAGAYQF
tr	Q7V8D3	Q7V8D3_PROMM	SAAAGAYQF
tr	A2CAU6	A2CAU6_PROM3	SAAAGAYQF
tr	Q3AYC4	Q3AYC4_SYNNS9	SAAAGAYQF

tr Q065Z3 Q065Z3_9SYNE	SAAAAGAYQF
tr D0CI57 D0CI57_9SYNE	SAAAAGAYQF
tr Q3AKT8 Q3AKT8_SYNSC	SAAAAGAYQF
tr Q7U664 Q7U664_SYNPX	SAAAAGAYQF
tr Q3AY16 Q3AY16_SYN9	SAAAAGAYQF
tr Q067I0 Q067I0_9SYNE	SAAAAGAYQF
tr D0CJC1 D0CJC1_9SYNE	SAAAAGAYQF
tr Q3AJM5 Q3AJM5_SYNSC	SAAAAGAYQF
tr Q7U6M5 Q7U6M5_SYNPX	SAAAAGAYQF
tr Q7V7S4 Q7V7S4_PROMM	SAAAAGAYQF
tr A2C9Z4 A2C9Z4_PROM3	SAAAAGAYQF
tr A5GL12 A5GL12_SYNPW	SAAAAGAYQF
tr A4CUP6 A4CUP6_SYNPV	SAAAAGAYQF
tr Q0IA84 Q0IA84_SYN3	SAAAAGAYQF
tr A3Z6Z0 A3Z6Z0_9SYNE	SAAAAGAYQF
tr Q05T44 Q05T44_9SYNE	SAAAAGAYQF
tr A3Z1Y9 A3Z1Y9_9SYNE	SAAAAGAYQF
tr B5IJ50 B5IJ50_9CHRO	SAAAAGAYQF
tr A5GTW9 A5GTW9_SYNR3	SAAAAGAYQF
tr B5IL03 B5IL03_9CHRO	SAAAAGAYQF
tr A3Z1B0 A3Z1B0_9SYNE	SAAAAGAYQM
tr A5GTZ0 A5GTZ0_SYNR3	SAAAAGAYQF
tr Q8ZS41 Q8ZS41_ANASP	STAAGAYQM
tr Q3M149 Q3M149_ANAVT	STAAGAYQM
tr Q10XQ1 Q10XQ1_TRIEI	SDAACRYQF