

Figure S1. Multiple alignment of GH19 motif sequences.

		10	
		
tr	C7PAL6	C7PAL6_CHIPD	YHGRGPIQLSWNNYNG
tr	A4CA61	A4CA61_9GAMM	YQGRGAIQLSYNNYNG
tr	D3EGU1	D3EGU1_9BACI	YYGRGPIMLSWNNFNYG
tr	A9KHM6	A9KHM6_CLOPH	YHGRGPIQLSYNNYNG
tr	Q12JG0	Q12JG0_SHEDO	YYGRGALQLSYQSNYQ
tr	C9QEL9	C9QEL9_VIBOR	YYGRGIIQLSWNNYNG
tr	D0IKD1	D0IKD1_9VIBR	YYGRGVIQLSWNNYNG
tr	B5YMF3	B5YMF3_THAPS	FFGRGAIQTSWNNYNYR
tr	B8C6K1	B8C6K1_THAPS	FFGRGAIQLSWNNYNYI
tr	B5YN07	B5YN07_THAPS	FYGRGAIQLSWNNYNYI
tr	B8LD35	B8LD35_THAPS	YFGRGSIQLSWNNYNYI
tr	B8LD51	B8LD51_THAPS	FFGRGAIQLSWNNYNYI
tr	B8BUZ0	B8BUZ0_THAPS	YFGRGAIQLSWNSNYL
tr	B8LD34	B8LD34_THAPS	FFGRGSIQLSHNFNYI
tr	Q8H6Y7	Q8H6Y7_PHYIN	YHGRGPIQLSWNNYNY
tr	D0NXB9	D0NXB9_PHYIN	YHGRGPIQLSWNNYNY
tr	D0NXB7	D0NXB7_PHYIN	YHGRGPIQIRWNNYNY
tr	Q23JY1	Q23JY1_TETTH	YYGRGPLQLSWNNYNYA
tr	Q235U7	Q235U7_TETTH	YYGRGPLQLSWDNYNYI
tr	A4VCP5	A4VCP5_TETTH	YYGRGPIQLSWDNYNYK
tr	Q23VY2	Q23VY2_TETTH	YFGRGPVQLSWNNYNYA
tr	Q8MD06	Q8MD06_LEUGL	YYGRGPMQLSWNNYNYG
tr	Q8LK49	Q8LK49_LEUGL	YYGRGPMQLSWNNYNYG
tr	Q9FUH3	Q9FUH3_VIGUS	YYGRGPIQISWNNYNYG
tr	Q43685	Q43685_VIGUN	YYGRGPIQISWNNYNYG
tr	Q6UZ78	Q6UZ78_PHAVU	YYGRGPIQISWNNYNYG
tr	Q9LEB2	Q9LEB2_PHAVU	YYGRGPIQLSWNNYNYA
tr	Q9FXL8	Q9FXL8_PSOTE	YYGRGPIQISWNNYNYG
tr	O65331	O65331_ELAUM	YYSRGPMQLSWNNYNYG
tr	Q5I6L0	Q5I6L0_HUMLU	YYGRGPMQLSWNNYNYG
tr	B9HQY8	B9HQY8_POPTR	YYGRGPVQLSWNNYNYG
tr	B9HQY7	B9HQY7_POPTR	YYGRGPVQLSWNNYNYG
tr	A9PJS5	A9PJS5_9ROSI	YYGRGPVQLSWNNYNYG
tr	B9HQZ2	B9HQZ2_POPTR	YYGRGPVQLSWNNYNYG
tr	B9H1P7	B9H1P7_POPTR	YYGRGPMQLSWNNYNYG
tr	B9SIC4	B9SIC4_RICCO	YYGRGPIQLTWNNYNYG
tr	B0ZC08	B0ZC08_CASGL	YYGRGPIQLSWNNYNYG
tr	Q9SDW1	Q9SDW1_PRUPE	YYGRGPIQLSWNNYNYG
tr	Q4PJV8	Q4PJV8_9ROSA	YFGRGPIQLSWNNYNYG
tr	Q43853	Q43853_ULMAM	YFGRGPIQLSWNNYNYG
tr	Q8GUD7	Q8GUD7_HEVBR	YYGRGPIQLSWNNYNYG
tr	Q949H3	Q949H3_HEVBR	YYGRGPIQLSWNNYNYG
tr	Q9ZTT8	Q9ZTT8_GOSHI	YFGRGPMQLSWNNYNYG
tr	Q8VXF1	Q8VXF1_MUSAC	YYGRGPIQISFNYYNYG
tr	B5TYQ0	B5TYQ0_MUSAC	YYGRGPIQISFNYYNYG
tr	Q8VXF0	Q8VXF0_MUSAC	YYGRGPIQISFNYYNYG
tr	Q93WX9	Q93WX9_MUSAC	YYGRGPIQISFNYYNYG
tr	B6UYK7	B6UYK7_MUSPR	YYGRGPIQISFNYYNYG
tr	B6UYK6	B6UYK6_MUSPR	YYGRGPIQISFNYYNYG
tr	C3VD22	C3VD22_MUSPR	YYGRGPIQISFNYYNYG
tr	B5TYQ1	B5TYQ1_MUSAC	YYGRGPIQISYNNYNYG
tr	B9ZZZ5	B9ZZZ5_VACCO	YYGRGPIQISYNNYNYG
tr	Q9SPU0	Q9SPU0_PETCR	YYGRGPIQISYNNYNYG
tr	B2DD07	B2DD07_CITUN	YFGRGPIQISYNNYNYG
tr	Q6RH76	Q6RH76_CAPAN	YFGRGPIQISYNNYNYG
tr	P93154	P93154_GOSHI	YFGRGPIQISYNNYNYG
tr	Q9FS45	Q9FS45_VITVI	YYGRGPIQISYNNYNYG
tr	A5AT01	A5AT01_VITVI	YYGRGPIQISYNNYNYG
tr	D1HC88	D1HC88_VITVI	YYGRGPIQISYNNYNYG
tr	Q9ZTK4	Q9ZTK4_VITVI	YYGRGPIQISYNNYNYG
tr	A5AT00	A5AT00_VITVI	YYGRGPIQISYNNYNYG
tr	D0EWF1	D0EWF1_CAMSI	YYGRGPIQISHNYNYG
tr	P93680	P93680_PERAEE	YYGRGPIQISYNNYNYG
tr	A3QRB6	A3QRB6_VITVI	YYGRGPIQISYNNYNYG
tr	Q546P8	Q546P8_VITVI	YYGRGPIQISYNNYNYG
tr	A3QRB7	A3QRB7_VITVI	YYGRGPIQISYNNYNYG
tr	Q6IVX2	Q6IVX2_9CARY	YYGRGPIQISYNNYNYG
tr	Q6IVX4	Q6IVX4_9CARY	YYGRGPIQISYNNYNYG
tr	P94084	P94084_MEDSA	YYGRGPIQISWNNYNYG
tr	P93327	P93327_MEDTR	YYGRGPIQISWNNYNYG
tr	Q5RLX9	Q5RLX9_MEDSA	YYGRGPIQISWNNYNYG
tr	Q7X9F5	Q7X9F5_9FABA	YYGRGPIQISWNNYNYG
tr	Q9ZP10	Q9ZP10_CICAR	YYGRGPIQLSWNNYNYG

tr	Q4JLT7	Q4JLT7_CAPAN	YFGRGPIQISYNNYNG
tr	Q9AVA9	Q9AVA9_CUCME	YFGRGPIQISYNNYNG
tr	B9VRK7	B9VRK7_CAPAN	YFGRGPIQISYNNYNG
tr	Q9FEW1	Q9FEW1_NICSY	YFGRGPIQISHNNYNG
tr	Q5W1I6	Q5W1I6_NICGL	YFGRGPIQISHNNYNG
tr	O81144	O81144_SOLTU	YFGRGPIQISYNNYNG
tr	O81145	O81145_SOLTU	YFGRGPIQISHNNYNG
tr	Q84LQ7	Q84LQ7_SOLDU	YFGRGPIQISHNNYNG
tr	Q6IV10	Q6IV10_DRORT	YFGRGPIQISHNNYNG
tr	Q2HPK8	Q2HPK8_SOLTU	YFGRGPIQISHNNYNG
tr	Q9SQL3	Q9SQL3_POAPR	YFGRGPIQISYNNYNG
tr	Q9SQL4	Q9SQL4_POAPR	YFGRGPIQISFNYYNG
tr	Q6T484	Q6T484_WHEAT	YFGRGPIQISHNNYNG
tr	Q8W427	Q8W427_WHEAT	YFGRGPIQISHNNYNG
tr	Q41539	Q41539_WHEAT	YFGRGPIQISYNNYNG
tr	Q9AXR9	Q9AXR9_SECCE	YFGRGPIQISYNNYNG
tr	B1B6T0	B1B6T0_BROIN	YFGRGPIQISHNNYNG
tr	B8R3R6	B8R3R6_FESAR	YYGRGPIQISYNNYNG
tr	Q4Z8L7	Q4Z8L7_WHEAT	YYGRGPIQLSHNNYNG
tr	Q4Z8L8	Q4Z8L8_WHEAT	YYGRGPIQLSHNNYNG
tr	Q6JBN6	Q6JBN6_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBM9	Q6JBM9_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBN3	Q6JBN3_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVK2	B8QVK2_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBN5	Q6JBN5_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVF2	B8QVF2_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVF1	B8QVF1_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVK0	B8QVK0_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVG9	B8QVG9_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVL4	B8QVL4_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVH2	B8QVH2_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVF8	B8QVF8_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVM1	B8QVM1_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBM4	Q6JBM4_ZEADI	YYGRGPIQISYNNYNG
tr	Q6JBN0	Q6JBN0_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVL5	B8QVL5_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVH0	B8QVH0_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVI0	B8QVI0_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVK5	B8QVK5_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVF9	B8QVF9_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBN1	Q6JBN1_ZEAMP	YYGRGPIQISYNNYNG
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tr	B8QVH1	B8QVH1_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVI2	B8QVI2_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBN4	Q6JBN4_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVM0	B8QVM0_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVH4	B8QVH4_ZEAMP	YYGRGPIQISYNNYNG
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tr	B8QVL7	B8QVL7_ZEAMP	YYGRGPIQISYNNYNG
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tr	B8QVJ5	B8QVJ5_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVH7	B8QVH7_ZEAMP	YYGRGPIQISYNNYNG
tr	B8QVH8	B8QVH8_ZEAMP	YYGRGPIQISYNNYNG
tr	Q6JBM3	Q6JBM3_ZEADI	YYGRGPIQISYNNYNG
tr	Q6JBM1	Q6JBM1_ZEADI	YYGRGPIQISYNNYNG
tr	Q6JBL7	Q6JBL7_ZEADI	YYGRGPIQISYNNYNG
tr	Q6JBM5	Q6JBM5_ZEADI	YYGRGPIQISYNNYNG
tr	Q6JBL9	Q6JBL9_ZEADI	YYGRGPIQISYNNYNG
tr	Q41794	Q41794_MAIZE	YYGPRAIQISININIG
tr	C5YYH5	C5YYH5_SORBI	YYGRGPIQISYNNYNG
tr	C6JSV0	C6JSV0_SORBI	YYGRGPIQISYNNYNG
tr	C5YGD9	C5YGD9_SORBI	YYGRGPIQISYNNYNG
tr	A2YH55	A2YH55_ORYSI	YYGRGPIQISYNNYNG
tr	Q42995	Q42995_ORYSA	YYGRGPIQISYNNYNG
tr	Q40667	Q40667_ORYSA	YYGRGPIQISYNNYNG
tr	Q6U5G8	Q6U5G8_ORYSJ	YYGRGPIQITYNYSYG
tr	Q0D9D3	Q0D9D3_ORYSJ	YYGRGPIQITYNYSYG
tr	A2YH54	A2YH54_ORYSI	YYGRGPIQITYNYSYG
tr	Q40668	Q40668_ORYSA	YYGRGPIQITYNYSYG
tr	Q2HJJ5	Q2HJJ5_MUSPR	YYGRGPIQLSYNFNYG
tr	A7UC81	A7UC81_ORYSI	YYGRGPIQLSYNFNYG
tr	A2XI16	A2XI16_ORYSI	YYGRGPIQLSYNFNYG
tr	A3AJ48	A3AJ48_ORYSJ	YYGRGPIQLSYNFNYG
tr	Q6DUK0	Q6DUK0_9CARY	YYGRGPIQISYNNYNG

tr	Q38777	Q38777_ALLSA	YYGRGPIQISYNNYNG
tr	Q38776	Q38776_ALLSA	YYGRGPIQISYNNYNG
tr	A2V800	A2V800_ANACO	YYGRGPIQISYNNYNG
tr	Q6IVX8	Q6IVX8_9CARY	YYGRGPIQLSYNNYNG
tr	Q6SZS3	Q6SZS3_ORYSA	YFGRGPIQLSYNNYNG
tr	A2Y4F6	A2Y4F6_ORYSI	YFGRGPIQLSYNNYNG
tr	Q8VWZ5	Q8VWZ5_ORYSA	YFGRGPIQLSYNNYNG
tr	B9FPH6	B9FPH6_ORYSJ	YFGRGPIQLSYNNYNG
tr	Q42992	Q42992_ORYSA	YFGRGPIQLSYNNYNG
tr	Q6SPQ7	Q6SPQ7_BAMOL	YFGRGPIQLSYNNYNG
tr	C5YXM4	C5YXM4_SORBI	YFGRGPIQISFNYYNG
tr	B6TR38	B6TR38_MAIZE	YFGRGPIQISFNYYNG
tr	Q8W428	Q8W428_WHEAT	YYGRGPIQLTHNNYNG
tr	Q42970	Q42970_ORYSA	YYGRGPIQLSFNFNYG
tr	Q42839	Q42839_HORVU	YYGRGPIMLSWNNYNG
tr	C0LNR1	C0LNR1_9MAGN	YYGRGPMQISYNNYNG
tr	B8YPL6	B8YPL6_9MAGN	YYGRGPMQISYNNYNG
tr	Q9AVA7	Q9AVA7_CUCME	YYGRGPFQITNNYNG
tr	Q9FPM1	Q9FPM1_FRAAN	YYGRGPIQLTHNNYNG
tr	Q944U5	Q944U5_FRAAN	YYGRGPIQLTHNNYNG
tr	B9VQ31	B9VQ31_PYRPY	YYGRGPIQLTHNNYNG
tr	Q8RVN0	Q8RVN0_MALDO	YYGRGPIQLTHNNYNG
tr	Q8RVN2	Q8RVN2_MALDO	YYGRGPIQLTHNNYNG
tr	B8XR33	B8XR33_9ROSA	YYGRGPIQLTHNNYNA
tr	Q8RVN1	Q8RVN1_MALDO	YYGRGPIQLTHNNYNG
tr	B9S6S0	B9S6S0_RICCO	YYGRGPIQLTHNNYNG
tr	B5TYQ3	B5TYQ3_9ROSI	YFGRGPIQLTHNNYNG
tr	Q42428	Q42428_CASSA	YYGRGPIQLTHNNYNG
tr	Q7X9F4	Q7X9F4_9FABA	YYGRGPIQLTNNYNG
tr	Q7X9F6	Q7X9F6_9FABA	YYGRGPIQITNNYNG
tr	Q9SDY6	Q9SDY6_SOYBN	YYGRGPIQLTHNNYNG
tr	Q1W6C5	Q1W6C5_9CARY	YYGRGPIQLTHNNYNA
tr	B3VFX0	B3VFX0_9CARY	YYGRGPIQLTHNNYNA
tr	O80404	O80404_9ROSI	YYGRGPIQLTHNNYNG
tr	A7UGA7	A7UGA7_CUCMO	YYGRGPIQLTHNNYNG
tr	Q207U1	Q207U1_MOMCH	YYGRGPIQLTHNNYNG
tr	Q9AVA8	Q9AVA8_CUCME	YYGRGPIQLTHNNYNG
tr	A1BQQ0	A1BQQ0_CUCSA	YYGRGPIQLTHNNYNG
tr	Q9XFK6	Q9XFK6_HUMLU	YYGRGPIQLTHNNYNG
tr	Q43184	Q43184_SOLTU	YFGRGPIQISYNNYNG
tr	Q42878	Q42878_SOLLC	YFGRGPIQISYNNYNG
tr	Q9ZWS3	Q9ZWS3_TOBAC	YFGRGPIQISYNNYNG
tr	Q7X9R8	Q7X9R8_EUOEU	YYGRGPMQLSWNNYNA
tr	Q7Y237	Q7Y237_EUOEU	YYGRGPMQLSWNNYNA
tr	Q7Y238	Q7Y238_EUOEU	YYGRGPIQLTWNYYNG
tr	Q7X9R9	Q7X9R9_EUOEU	YYGRGPMQLSWNNYNA
tr	Q9M7F5	Q9M7F5_BOEPA	YYGRGPMQLSWNNYNG
tr	Q9M7H2	Q9M7H2_BOEDR	YYGRGPMQLSWNNYNG
tr	Q9M7G6	Q9M7G6_ARAGU	YYGRGPMQLSWNNYNG
tr	Q9M7H5	Q9M7H5_ARAGU	YYGRGPMQLSWNNYNG
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tr	Q9M7F8	Q9M7F8_ARAMC	YYGRGPMQLSWNNYNG
tr	Q9M7G4	Q9M7G4_9BRAS	YYGRGPMQLSWNNYNG
tr	Q9M7H7	Q9M7H7_ARAHO	YYGRGPIQLSWNNYNG
tr	Q9M7G2	Q9M7G2_ARALI	YYGRGPIQLSWNNYNG
tr	Q9M7H1	Q9M7H1_ARAFE	YYGRGPIQLSWNNYNG
tr	Q9M7G7	Q9M7G7_ARAGL	YYGRGPMQLSWNNYNG
tr	Q9M7H9	Q9M7H9_ARAAL	YYGRGPMQLSWNNYDYG
tr	Q9M7H3	Q9M7H3_ARABL	YYGRGPMQLSWNNYNG
tr	Q9SXJ1	Q9SXJ1_ARAGE	YYGRGPMQLTWNYYNG
tr	Q9M7G5	Q9M7G5_9BRAS	YYGRGPIQLSWNNYNG
tr	Q9M7G9	Q9M7G9_ARAGL	YYGRGPMQLTWNYYNG
tr	Q9M7H4	Q9M7H4_ARABL	YYGRGPMQLTWNYYNG
tr	Q1L0Q6	Q1L0Q6_BOEDR	YYGRGPMQLSWNNYNG
tr	Q9M7G8	Q9M7G8_ARAGL	YYGRGPMQLLWNNYNG
tr	A9P2N2	A9P2N2_PICSI	YYGRGPMQLSWNNYNG
tr	A9NPF6	A9NPF6_PICSI	YYGRGPMQLSWNNYNG
tr	A9NUA7	A9NUA7_PICSI	YYGRGPMQLSWNNYNG
tr	A9NLC7	A9NLC7_PICSI	YYGRGPIQLSWNNYNG
tr	Q76JH6	Q76JH6_CRYJA	YYGRGPIQLSWNNYNG

tr	Q403K0	Q403K0_CRYJA	YYGRGPIQLSWNYYNI
tr	Q76JK0	Q76JK0_CRYJA	YYGRGPIQLSWNYYNI
tr	Q76JJ7	Q76JJ7_CRYJA	YYGRGPIQLSWNYYNI
tr	A2PZ52	A2PZ52_CRYJA	YYGRGPIQLSWNYYNI
tr	Q76IR2	Q76IR2_TAXDI	YYGRGPIQLSWNYYNI
tr	A2PZ63	A2PZ63_CHAOB	YYGRGPIQLSWNYYNI
tr	A2PZ64	A2PZ64_CHAOB	YYGRGPIQLSWNYYNI
tr	A2PZ61	A2PZ61_9CONI	YYGRGPIQLSWNYYNI
tr	A2PZ59	A2PZ59_9CONI	YYGRGPIQLSWNYYNI
tr	A2PZ60	A2PZ60_9CONI	YYGRGPIQLSWNYYNI
tr	A2PZ58	A2PZ58_9CONI	YYGRGPIQLSWNYYNI
tr	Q6E6M9	Q6E6M9_PICAB	YHGRGPIQLTGDYNYK
tr	Q6SSF1	Q6SSF1_PICAB	YHGRGPIQLAGDYNYK
tr	C0PQM5	C0PQM5_PICSI	YHGRGPIQLTGDYNYK
tr	A9NXF9	A9NXF9_PICSI	YHGRGPIQLTGDYNYK
tr	O04276	O04276_PINST	YRGRGPIQLTGDYNYK
tr	C0PST0	C0PST0_PICSI	YYGRGPIQLTGKNNYE
tr	A9NTQ9	A9NTQ9_PICSI	YYGRGPIQLTGKNNYE
tr	A9NU92	A9NU92_PICSI	YYGRGPIQLTGKSNEY
tr	C0P3M6	C0P3M6_MAIZE	YYGRGPIQLTHEYNYR
tr	B6SZC6	B6SZC6_MAIZE	YYGRGPIQLTHEYNYR
tr	C5WZU7	C5WZU7_SORBI	YYGRGPIQLTHEYNYR
tr	C0HEI0	C0HEI0_MAIZE	YYGRGPIQLTHKYNYR
tr	B4F9D5	B4F9D5_MAIZE	YYGRGPIQLTHKYNYR
tr	B6T6W1	B6T6W1_MAIZE	YYGRGPIQLTHKYNYR
tr	A2XC48	A2XC48_ORYSI	YYGRGPIQLTHKYNYQ
tr	O04272	O04272_ORYSA	YYGRRPYTLLISTTTS
tr	Q8H0C9	Q8H0C9_VIGUN	YYGRGPIQLTHNYNYN
tr	O81934	O81934_CANEN	YYGRGPIQLTHNYNYA
tr	Q42515	Q42515_ARAHY	YYGRGPIQLTSNSNYQ
tr	Q43752	Q43752_CITSI	YYGRGPIQLSWNYYNL
tr	Q8H986	Q8H986_CITJA	YYGRGPIQLTWNYYNL
tr	Q8H985	Q8H985_CITJA	YYGRGPIQLTWNYYNL
tr	O04222	O04222_HELAN	YFGRGPIQLTNNNNYG
tr	Q8W4Z2	Q8W4Z2_ORYSI	YYGRGPIQLTGQSNYQ
tr	O24007	O24007_ORYSA	YYGRGPIQLTGQSNYQ
tr	A2Z9V6	A2Z9V6_ORYSI	YYGRGPIQLTGQSNYQ
tr	O04271	O04271_ORYSA	YYGRGPIQLTGQSNYQ
tr	Q7G1L6	Q7G1L6_ORYSA	YYGRGPIQLTGQSNYQ
tr	D2CVR3	D2CVR3_HORVD	YYGRGPIQLTGQSNYD
tr	Q43765	Q43765_HORVU	YYGRGPIQLTGQSNYD
tr	Q9AXR8	Q9AXR8_SECCE	YYGRGPIQLTGRSNYD
tr	Q8W429	Q8W429_WHEAT	YYGRGPIQLTGRSNYD
tr	Q43764	Q43764_HORVU	YYGRGPIQLTGRSNYD
tr	C8CG67	C8CG67_9POAL	YYGRGPIQLTGRSNYD
tr	Q9LEH7	Q9LEH7_HORVU	YYGRGPIQLTGQSNYD
tr	Q43834	Q43834_SOLTU	YYGRGPIQLTHQSNYE
tr	Q9SBJ9	Q9SBJ9_SOLTU	YYGRGPIQLTHQSNYE
tr	Q43835	Q43835_SOLTU	YYGRGPIQLTHQSNYE
tr	O22568	O22568_SOLTU	YYGRGPIQLTHQSNYE
tr	Q7Y0S1	Q7Y0S1_SOLLC	YYGRGPIQLTHQSNYE
tr	O82552	O82552_CAPAN	YYGRGPIQLTHRSNYE
tr	B2NIX6	B2NIX6_CAPCH	YYGRGPIQLTHRSNYE
tr	C5IDR3	C5IDR3_CAPCH	FYGRGPIQLTGQSNYE
tr	Q6IV09	Q6IV09_DRORT	YYGRGPIQLTNRNNYE
tr	Q41795	Q41795_MAIZE	YFGRGPIQLSYNNYNG
tr	B9HQY9	B9HQY9_POPTR	YCGRGPIQLSWNYYNG
tr	B9HQY6	B9HQY6_POPTR	YCGRGPIQLSWNYYNG
tr	B9HQZ1	B9HQZ1_POPTR	YCGRGPIQLSWNYYNG
tr	O65330	O65330_ELAUM	YYGRGPIQLSWNYYNG
tr	Q9SQF7	Q9SQF7_BRAJU	YYGRGPMMLSWNYYNG
tr	Q2HZ51	Q2HZ51_BRAJU	YYGRGPIMLSWNYYNG
tr	Q42421	Q42421_BETVU	YYGRGPIVQLTWNFNYG
tr	B8QVG3	B8QVG3_ZEAMP	YYGRGPIQISYNNYNG
tr	Q43852	Q43852_WHEAT	YYGRGPIQLTHNYNYG
tr	Q9LE03	Q9LE03_CUCME	YYGRGPMQLKGNQNYG
tr	Q6QNA9	Q6QNA9_MUSBA	YFGRGPIQISHNNYNG
tr	Q6QNB2	Q6QNB2_MUSAC	YFGRGPIQISHNNYNG
tr	Q6R8K3	Q6R8K3_MUSAC	YFGRGPIQISHNNYNG
tr	C1K2M3	C1K2M3_PANGI	YYGRGPIQLTHNYNYG
tr	Q5I707	Q5I707_LINUS	YYGRGPIQLTHNYNYG
tr	B9FPF7	B9FPF7_ORYSJ	YHARGPMQIAYNNYNG
tr	B9H1P8	B9H1P8_POPTR	YYGRGPIQLRWNNYNG
tr	Q9ZT61	Q9ZT61_SAMNI	YNRRGPIQLTHNYNYG
tr	Q9SYS5	Q9SYS5_SAMNI	YNRRGPIQLTHNYNYG
tr	Q9SYS4	Q9SYS4_SAMNI	YNRRGPIQLTHNYNYG
tr	Q944B9	Q944B9_SAMNI	YNSRGPIQLTHNYNYG

tr	Q9ZT60	Q9ZT60_SAMNI	YNSRGPFIQLTHNYYYG
tr	Q944B8	Q944B8_SAMNI	YNSRGPFIQLTHNYYYG
tr	A7XQ02	A7XQ02_MORAL	YNSRGAVQLTHNYYNYG
tr	Q84LK1	Q84LK1_FICCA	YNSRGPFIQLTHNHNYG
tr	Q2VAC7	Q2VAC7_FICAW	YNRRGPFIQLTHNHNYG
tr	B9GTA5	B9GTA5_POPTR	YKGRGPFIQLSWNYYNYG
tr	B9I9A3	B9I9A3_POPTR	YKGRGPFIQLSWNYYNYG
tr	C6TI96	C6TI96_SOYBN	YKGRGPFIQLSWNYYNYG
tr	A5BE14	A5BE14_VITVI	YKGRGPFIQLSWNYYNYG
tr	D1IUL3	D1IUL3_VITVI	YKGRGPFIQLSWNYYNYG
tr	B9RN36	B9RN36_RICCO	YKGRGPFIQLSWNFNYG
tr	Q43322	Q43322_ARAHY	YKGRGPFIQLSWNYYNYG
tr	C6TNB0	C6TNB0_SOYBN	YKGRGPFIQLSWNYYNYG
tr	Q9SPT9	Q9SPT9_PETCR	YQGRGPFIQLSWNYYNYG
tr	Q9SPT8	Q9SPT8_PETCR	YQGRGPFIQLSWNYYNYG
tr	B2X051	B2X051_FRAAN	YKGRGPFIQLSWNYYNYG
tr	Q9SBT5	Q9SBT5_FRAAN	YKGRGPFIQLSWNYYNYG
tr	A5JW48	A5JW48_FRAAN	YKGRGPFIQLSWNYYNYG
tr	Q9ZSI6	Q9ZSI6_ARATH	YKGRGPFIQLSWNYYNYG
tr	Q9FZ25	Q9FZ25_ARATH	YQGRGPFIQLSWNYYNYG
tr	Q6AT95	Q6AT95_ORYSJ	YHGRGPFIQLSWNFNYG
tr	A2Y074	A2Y074_ORYSI	YHGRGPFIQLSWNFNYG
tr	C5YZL4	C5YZL4_SORBI	YHGRGPFIQLSWNFNYG
tr	Q9ZSE8	Q9ZSE8_CYNDA	YHGRGPFIQLSWNFNYG
tr	O22520	O22520_CYNDA	YHGRGPFIQLSWNFNYG
tr	Q9ZSE7	Q9ZSE7_CYNDA	YHGRGPFIQLSWNFNYG
tr	C5XHZ4	C5XHZ4_SORBI	YHGRGPFIQLSWNFNYG
tr	A2WNN5	A2WNN5_ORYSI	YHGRGPFIQLSWNFNYG
tr	O22425	O22425_ORYSA	YHGGPFIQLSWNFNYG
tr	A9NS04	A9NS04_PICSI	YHGRGALPLYWNYNYG
tr	C0PPT3	C0PPT3_PICSI	YHGRGALPLYWNYNYG
tr	A9NT20	A9NT20_PICSI	YHGRGALPLYWNYNYG
tr	B4G1H3	B4G1H3_MAIZE	YYGRGAIPVYWNYNYG
tr	C5X4J4	C5X4J4_SORBI	YYGRGAIPVYWNYNYG
tr	Q0J0L1	Q0J0L1_ORYSJ	YYGRGAIPVFWNYNYG
tr	A2Z2P0	A2Z2P0_ORYSI	YYGRGAIPVFWNYNYG
tr	D2KZ17	D2KZ17_9ARAE	YHGRGALPLYWNYNYG
tr	A2Q575	A2Q575_MEDTR	YYGRGAIPYWNYNYG
tr	Q76KW5	Q76KW5_PEA	YYGRGAIPYWNYNYG
tr	C6TD22	C6TD22_SOYBN	YYGRGAIPFVWNYNYG
tr	C0SUT2	C0SUT2_ARATH	YYGRGALPIYWNFYNYG
tr	Q9MA41	Q9MA41_ARATH	YYGRGALPIYWNFYNYG
tr	A8IXW1	A8IXW1_BRACM	YYGRGALPIYWNFYNYG
tr	A8IXW2	A8IXW2_BRACM	YYGRGALPIYWNFYNYG
tr	Q7X7Q1	Q7X7Q1_GOSHI	YYGRGALPIYWNFYNYG
tr	Q6JX03	Q6JX03_GOSHI	YHGRGALPIYWNFYNYG
tr	Q6UA09	Q6UA09_GOSBA	YHGRGALPIYWNFYNYG
tr	B5G510	B5G510_GOSBA	YHGRGALPIYWNFYNYG
tr	Q6JX04	Q6JX04_GOSHI	YHGRGALPIYWNFYNYG
tr	B5G507	B5G507_GOSBA	YHGRGALPIYWNFYNYG
tr	B5G509	B5G509_GOSBA	YHGRGALPIYWNFYNYG
tr	B5G508	B5G508_GOSBA	YHGRGALPIYWNFYNYG
tr	B9VQ32	B9VQ32_PYRPP	YHGRGALPLYWNYNYG
tr	A9P7W2	A9P7W2_POPTR	YHGRGALPLYWNYNYG
tr	B9RZM8	B9RZM8_RICCO	YHGRGALPLYWNYNYG
tr	A5B1C7	A5B1C7_VITVI	YFGRGALPIYWNFYNYG
tr	D1HNU6	D1HNU6_VITVI	YFGRGALPIYWNFYNYG
tr	B9RPJ5	B9RPJ5_RICCO	YYGRGALPIYWNFYNYG
tr	D1J1H7	D1J1H7_VITVI	YYGRGALPIFWNYNYG
tr	Q9LSP9	Q9LSP9_ARATH	YHGRGALPVYWNYNYG
tr	C6TAW6	C6TAW6_SOYBN	YYGRGAIPLYWNYNYG
tr	C6TIR8	C6TIR8_SOYBN	YYGRGAIPLYWNYNYG
tr	B9IA90	B9IA90_POPTR	YYGRGAIPFVWNYNYG
tr	A9PHL3	A9PHL3_POPTR	YYGRGAIPFVWNYNYG
tr	Q1W6C4	Q1W6C4_9CARY	YYGRGALPIYWNFYNYG
tr	B3VFX1	B3VFX1_9CARY	YYGRGALPIYWNFYNYG
tr	A2YX68	A2YX68_ORYSI	YYGRGALPVYWNYNYG
tr	Q84QQ7	Q84QQ7_ORYSJ	YYGRGALPVYWNYNYG
tr	C5YIM8	C5YIM8_SORBI	YYGRGALPVYWNYNYG
tr	A9TSG6	A9TSG6_PHYPA	YYGRGAFPLYWNYNYG
tr	A9SXI5	A9SXI5_PHYPA	YYGRGAFPLYWNYNYG
tr	A9TSE2	A9TSE2_PHYPA	YHGRGAFPLYWNFYNYG
tr	C5KAJ7	C5KAJ7_9ALVE	YYGRGALQLSYNFNYG
tr	C5LPC3	C5LPC3_9ALVE	YYGRGALQLSWNYNYG
tr	C5KT12	C5KT12_9ALVE	YSGRGAKQISYNYNYG
tr	C5KMD1	C5KMD1_9ALVE	YFGRGAAQISWNYNYG
tr	Q2SMW1	Q2SMW1_HAHCH	YFGRGAKQLSYNYNYG

tr	A4BH92	A4BH92_9GAMM	YFGRGAKQLSYNRYNYG
tr	A8AIM5	A8AIM5_CITK8	YFGRGAKQLSYNRYNYG
tr	D2ZAE8	D2ZAE8_9ENTR	YFGRGAKQLSYNRYNYG
tr	B4TYE6	B4TYE6_SALSV	YFGRGAKQLSYNRYNYG
tr	B5C920	B5C920_SALET	YFGRGAKQLSYNRYNYG
tr	B5NMR8	B5NMR8_SALET	YFGRGAKQLSYNRYNYG
tr	B3YM59	B3YM59_SALET	YFGRGAKQLSYNRYNYG
tr	Q8ZRN8	Q8ZRN8_SALTY	YFGRGAKQLSYNRYNYG
tr	D0ZKY9	D0ZKY9_SALT1	YFGRGAKQLSYNRYNYG
tr	B5R425	B5R425_SALEP	YFGRGAKQLSYNRYNYG
tr	B5FJ33	B5FJ33_SALDC	YFGRGAKQLSYNRYNYG
tr	B5C3J2	B5C3J2_SALET	YFGRGAKQLSYNRYNYG
tr	B5MUQ3	B5MUQ3_SALET	YFGRGAKQLSYNRYNYG
tr	B5F8U7	B5F8U7_SALA4	YFGRGAKQLSYNRYNYG
tr	B5PN43	B5PN43_SALET	YFGRGAKQLSYNRYNYG
tr	B4TK61	B4TK61_SALHS	YFGRGAKQLSYNRYNYG
tr	B5P9D5	B5P9D5_SALET	YFGRGAKQLSYNRYNYG
tr	B5R5I9	B5R5I9_SALG2	YFGRGAKQLSYNRYNYG
tr	C0Q6K9	C0Q6K9_SALPC	YFGRGAKQLSYNRYNYG
tr	B4SV15	B4SV15_SALNS	YFGRGAKQLSYNRYNYG
tr	A9N0T7	A9N0T7_SALPB	YFGRGAKQLSYNRYNYG
tr	B5Q115	B5Q115_SALHA	YFGRGAKQLSYNRYNYG
tr	B4A398	B4A398_SALNE	YFGRGAKQLSYNRYNYG
tr	Q8Z999	Q8Z999_SALTI	YFGRGAKQLSYNRYNYG
tr	Q57T22	Q57T22_SALCH	YFGRGAKQLSYNRYNYG
tr	B5MSD4	B5MSD4_SALET	YFGRGAKQLSYNRYNYG
tr	Q5PD79	Q5PD79_SALPA	YFGRGAKQLSYNRYNYG
tr	B5BAP3	B5BAP3_SALPK	YFGRGAKQLSYNRYNYG
tr	B5N8A4	B5N8A4_SALET	YFGRGAKQLSYNRYNYG
tr	C9X780	C9X780_SALTD	YFGRGAKQLSYNRYNYG
tr	A9MPH5	A9MPH5_SALAR	YFGRGAKQLSYNRYNYG
tr	C9XWB9	C9XWB9_CROTZ	YFGRGAKQLSYNRYNYG
tr	A7MEM6	A7MEM6_ENTS8	YFGRGAKQLSYNRYNYG
tr	B0U0H9	B0U0H9_FRAP2	YFGRGAKQLSYNRYNYG
tr	C6YSN8	C6YSN8_9GAMM	YFGRGAKQLSYNRYNYG
tr	Q5E5Z2	Q5E5Z2_VIBF1	YFGRGAKQLSYNRYNYG
tr	B5FDD8	B5FDD8_VIBFM	YFGRGAKQLSYNRYNYG
tr	C9Q4P1	C9Q4P1_9VIBR	YFGRGAKQLSYNRYNYG
tr	Q1ZMW5	Q1ZMW5_PHOAS	YFGRGAKQLSYNRYNYG
tr	Q0ZKA9	Q0ZKA9_AERHY	YFGRGAKQLSYNRYNYG
tr	A0KGX5	A0KGX5_AERHH	YFGRGAKQLSYNRYNYG
tr	A4SQY0	A4SQY0_AERS4	YFGRGAKQLSYNRYNYG
tr	B1KH86	B1KH86_SHEWM	YFGRGAKQLSYNRYNYG
tr	C8Q541	C8Q541_9ENTR	YFGRGAKQLSYNRYNYG
tr	Q7NWT2	Q7NWT2_CHRVO	YFGRGAKQLSYNRYNYG
tr	A6D262	A6D262_9VIBR	YFGRGAKQLSYHFNYG
tr	D0Z4N1	D0Z4N1_LISDA	YFGRGAKQLSYHFNYG
tr	Q6LQ48	Q6LQ48_PHOPR	YFGRGAKQLSYHFNYG
tr	Q1Z8D8	Q1Z8D8_PHOPR	YFGRGAKQLSYHFNYG
tr	A0KKT5	A0KKT5_AERHH	YFGRGAKQLSYHFNYG
tr	A4SMT5	A4SMT5_AERS4	YFGRGAKQLSYHFNYG
tr	D0HRW5	D0HRW5_VIBCH	YFGRGAKQLSYHFNYG
tr	C6RVV6	C6RVV6_VIBCH	YFGRGAKQLSYHFNYG
tr	A1EIH9	A1EIH9_VIBCH	YFGRGAKQLSYHFNYG
tr	Q9KTW1	Q9KTW1_VIBCH	YFGRGAKQLSYHFNYG
tr	C3NTC5	C3NTC5_VIBCJ	YFGRGAKQLSYHFNYG
tr	A1F0S9	A1F0S9_VIBCH	YFGRGAKQLSYHFNYG
tr	A2PEJ3	A2PEJ3_VIBCH	YFGRGAKQLSYHFNYG
tr	A3GK58	A3GK58_VIBCH	YFGRGAKQLSYHFNYG
tr	C3LT22	C3LT22_VIBCM	YFGRGAKQLSYHFNYG
tr	A3GWU6	A3GWU6_VIBCH	YFGRGAKQLSYHFNYG
tr	C6YDY1	C6YDY1_VIBCH	YFGRGAKQLSYHFNYG
tr	C2JA78	C2JA78_VIBCH	YFGRGAKQLSYHFNYG
tr	C2IIH7	C2IIH7_VIBCH	YFGRGAKQLSYHFNYG
tr	A5F3F2	A5F3F2_VIBC3	YFGRGAKQLSYHFNYG
tr	A6XTA3	A6XTA3_VIBCH	YFGRGAKQLSYHFNYG
tr	D0I240	D0I240_VIBCH	YFGRGAKQLSYHFNYG
tr	A2PP35	A2PP35_VIBCH	YFGRGAKQLSYHFNYG
tr	C2HVC2	C2HVC2_VIBCH	YFGRGAKQLSYHFNYG
tr	A6Y174	A6Y174_VIBCH	YFGRGAKQLSYHFNYG
tr	D0H692	D0H692_VIBCH	YFGRGAKQLSYHFNYG
tr	C2CD72	C2CD72_VIBCH	YFGRGAKQLSYHFNYG
tr	C2IB96	C2IB96_VIBCH	YFGRGAKQLSYHFNYG
tr	C9Q8B6	C9Q8B6_9VIBR	YFGRGAKQLSYHFNYG
tr	A2PCK1	A2PCK1_VIBCH	YFGRGAKQLSYHFNYG
tr	A6AA89	A6AA89_VIBCH	YFGRGAKQLSYHFNYG
tr	A5ZZR1	A5ZZR1_VIBCH	YFGRGAKQLSYHFNYG

tr	A3EI83	A3EI83_VIBCH	YFGRGAKQLSYHFNYG
tr	C2IPD1	C2IPD1_VIBCH	YFGRGAKQLSYHFNYG
tr	D0IGQ8	D0IGQ8_9VIBR	YFGRGAKQLSYHFNYG
tr	D2YJW8	D2YJW8_VIBMI	YFGRGAKQLSYHFNYG
tr	D2YIE0	D2YIE0_VIBMI	YFGRGAKQLSYHFNYG
tr	D0GSC2	D0GSC2_VIBMI	YFGRGAKQLSYHFNYG
tr	D0HEX5	D0HEX5_VIBMI	YFGRGAKQLSYHFNYG
tr	B8K769	B8K769_VIBPA	YFGRGAKQLSYHFNYG
tr	C9QJ20	C9QJ20_VIBOR	YFGRGAKQLSYHFNYG
tr	C9NQM1	C9NQM1_9VIBR	YFGRGAKQLSYHFNYG
tr	A6AQ45	A6AQ45_VIBHA	YFGRGAKQLSYHFNYG
tr	A7MU32	A7MU32_VIBHB	YFGRGAKQLSYHFNYG
tr	D0XDG9	D0XDG9_VIBHA	YFGRGAKQLSYHFNYG
tr	Q87S05	Q87S05_VIBPA	YFGRGAKQLSYHFNYG
tr	A6B4H6	A6B4H6_VIBPA	YFGRGAKQLSYHFNYG
tr	A7K170	A7K170_VIBSE	YFGRGAKQLSYHFNYG
tr	D0WU94	D0WU94_VIBAL	YFGRGAKQLSYHFNYG
tr	Q1VAD4	Q1VAD4_VIBAL	YFGRGAKQLSYHFNYG
tr	A8T7I7	A8T7I7_9VIBR	YFGRGAKQLSYHFNYG
tr	Q8DF08	Q8DF08_VIBVU	YFGRGAKQLSYHFNYG
tr	Q7MNE0	Q7MNE0_VIBVY	YFGRGAKQLSYHFNYG
tr	B7VJU9	B7VJU9_VIBSL	YFGRGAKQLSYHFNYG
tr	A3XVP4	A3XVP4_9VIBR	YFGRGAKQLSYHFNYG
tr	A3USZ8	A3USZ8_VIBSP	YFGRGAKQLSYHFNYG
tr	A5L6K2	A5L6K2_9GAMM	YFGRGAKQLSYHFNYG
tr	Q25BT4	Q25BT4_VIBPR	YFGRGAKQLSYHFNYG
tr	B5FEC6	B5FEC6_VIBFM	YFGRGAKQLSYHFNYG
tr	Q5E511	Q5E511_VIBF1	YFGRGAKQLSYHFNYG
tr	C9P6B1	C9P6B1_VIBME	YFGRGAKQLSYHFNYG
tr	Q2C9C9	Q2C9C9_9GAMM	YFGRGAKQLSYHFNYG
tr	Q1ZTF9	Q1ZTF9_PHOAS	YFGRGAKQLSYHFNYG
tr	A6FHW3	A6FHW3_9GAMM	YFGRGAKQLSYHFNYG
tr	A4C3H5	A4C3H5_9GAMM	YFGRGAKQLSYHFNYG
tr	Q9WXI9	Q9WXI9_9GAMM	YFGRGSKQLSWNRYNG
tr	Q65ZB0	Q65ZB0_CAEEL	YFGRGAIQISYNYNYG
tr	Q17816	Q17816_CAEEL	YFGRGAIQISYNYNYG
tr	Q95Y59	Q95Y59_CAEEL	YFGRGAIQISYNYNYG
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tr	P92013	P92013_CAEEL	YFGRGGIQISYNYNYG
tr	A8XBA9	A8XBA9_CAEER	YFGRGAIQISYNYNYG
tr	Q962Y5	Q962Y5_ASCSU	YFGRGALQISYNYNYG
tr	A8XUD2	A8XUD2_CAEER	YFGRGALQLSWNRYNG
tr	O16512	O16512_CAEEL	YFGRGALQLSWNRYNG
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tr	B8QUX1	B8QUX1_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUU3	B8QUU3_ZEAMP	YYGRGPLQISWNYNYG
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tr	B8QUY4	B8QUY4_ZEAMP	YYGRGPLQISWNYNYG
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tr	B8QUY2	B8QUY2_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUZ0	B8QUZ0_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUT7	B8QUT7_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUS8	B8QUS8_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUU0	B8QUU0_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUT9	B8QUT9_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUZ1	B8QUZ1_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUZ6	B8QUZ6_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUU6	B8QUU6_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUV5	B8QUV5_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUU9	B8QUU9_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUV1	B8QUV1_ZEAMP	YYGRGPLQISWNYNYG
tr	B8QUS1	B8QUS1_ZEAMP	YYGRGPLQISWNYNYG

tr	Q6JBK8	Q6JBK8_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUZ2	B8QUZ2_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUV3	B8QUV3_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUZ8	B8QUZ8_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUV0	B8QUV0_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV00	B8QV00_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUX4	B8QUX4_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUT8	B8QUT8_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUY0	B8QUY0_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUZ3	B8QUZ3_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUY5	B8QUY5_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV01	B8QV01_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUX0	B8QUX0_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUY3	B8QUY3_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBK4	Q6JBK4_ZEAMP	YYGRGPLQISWNNYNYG
tr	B6TEL0	B6TEL0_MAIZE	YYGRGPLQISWNNYNYG
tr	B8QUV9	B8QUV9_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUW0	B8QUW0_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUW9	B8QUW9_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QUW4	B8QUW4_ZEAMP	YYGRGPLQISWNNYNYG
tr	D0EM57	D0EM57_MAIZE	YYGRGPLQISWNNYNYG
tr	Q6JBK6	Q6JBK6_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBL1	Q6JBL1_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBL0	Q6JBL0_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBK7	Q6JBK7_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBL4	Q6JBL4_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBK9	Q6JBK9_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBK1	Q6JBK1_ZEADI	YYGRGPLQISWNNYNYG
tr	Q6JBK0	Q6JBK0_ZEADI	YYGRGPLQISWNNYNYG
tr	Q6JBL5	Q6JBL5_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBL3	Q6JBL3_ZEAMP	YYGRGPLQISWNNYNYG
tr	B4FTS6	B4FTS6_MAIZE	YYGRGPLQISWNNYNYG
tr	Q6JBL2	Q6JBL2_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBK3	Q6JBK3_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBL6	Q6JBL6_TRIDA	YYGRGPLQISWNNYNYG
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tr	A9XAV3	A9XAV3_SACOF	YYGRGPLQISWNNYNYG
tr	A9XB14	A9XB14_SACOF	YYGRGPLQISWNNYNYG
tr	Q94EL5	Q94EL5_SACOF	YYGRGPLQISWNNYNYG
tr	Q3HWG5	Q3HWG5_SORHL	YYGRGPLQISWNNYNYG
tr	Q94EL3	Q94EL3_SORHL	YYGRGPLQISWNNYNYG
tr	Q3HWG6	Q3HWG6_SORHL	YYGRGPLQISWNNYNYG
tr	Q3HWG7	Q3HWG7_SORHL	YYGRGPLQISWNNYNYG
tr	C5YBE8	C5YBE8_SORBI	YYGRGPLQISWNNYNYG
tr	C5YBE9	C5YBE9_SORBI	YYGRGPLQISWNNYNYG
tr	Q93WT2	Q93WT2_SORBI	YYGRGPLQISWNNYNYG
tr	Q93WT1	Q93WT1_SORBI	YYGRGPLQISWNNYNYG
tr	Q94EL4	Q94EL4_SORBI	YYGRGPLQISWNNYNYG
tr	Q941I5	Q941I5_SORBI	YYGRGPLKISWDYNYG
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tr	B8QV49	B8QV49_ZEAMP	YYGRGPLQISWNNYNYG
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tr	Q6JBQ7	Q6JBQ7_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBQ1	Q6JBQ1_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBQ9	Q6JBQ9_ZEAMP	YYGRGPLQISWNNYNYG
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tr	B8QV69	B8QV69_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV57	B8QV57_ZEAMP	YYGRGPLQISWNNYNYG
tr	Q6JBP2	Q6JBP2_ZEADI	YYGRGPLQISWNNYNYG
tr	B8QV61	B8QV61_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV56	B8QV56_ZEAMP	YYGRGPLQISWNNYNYG
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tr	B8QV41	B8QV41_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV06	B8QV06_ZEAMP	YYGRGPLQISWNNYNYG
tr	B8QV12	B8QV12_ZEAMP	YYGRGPLQISWNNYNYG

tr	B8QV09	B8QV09_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV53	B8QV53_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV35	B8QV35_ZEAMP	YYGRGPLQISWNNYNG
tr	C0P451	C0P451_MAIZE	YYGRGPLQISWNNYNG
tr	Q6JBP8	Q6JBP8_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV28	B8QV28_ZEAMP	YYGRGPLQISWNNYNG
tr	Q6JBP7	Q6JBP7_ZEADI	YYGRGPLQISWNNYNG
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tr	B8QV42	B8QV42_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV46	B8QV46_ZEAMP	YYGRGPLQISWNNYNG
tr	Q6JBR1	Q6JBR1_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV34	B8QV34_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV37	B8QV37_ZEAMP	YYGRGPLQISWNNYNG
tr	Q6JBP3	Q6JBP3_ZEADI	YYGRGPLQISWNNYNG
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tr	B8QV64	B8QV64_ZEAMP	YYGRGPLQISWNNYNG
tr	B8QV32	B8QV32_ZEAMP	YYGRGPLQISWNNYNG
tr	Q6JBR2	Q6JBR2_TRIDA	YYGRGPLQISWNNYNG
tr	C5YBF0	C5YBF0_SORBI	YYGRGPLQISWNNYNG
tr	C5XJT5	C5XJT5_SORBI	YYGRGPLQLSWNNYNG
tr	C0PKN5	C0PKN5_MAIZE	YYGRGPLQVSWNNYNG
tr	C5YBF1	C5YBF1_SORBI	YYGRGPLQISWNNYNG
tr	C5YBE7	C5YBE7_SORBI	YYGRGPLQISWNNYNG
tr	C5YBE6	C5YBE6_SORBI	YYGRGPLQISWNNYNG
tr	B6SZA3	B6SZA3_MAIZE	YYGRGPLQISWNNYNG
tr	B8ARC6	B8ARC6_ORYSI	YYGRGPLQISWNNYNG
tr	A0B9Y6	A0B9Y6_ORYSA	YYGRGPLQISWNNYNG
tr	C6F3C7	C6F3C7_ORYGR	YYGRGPLQISWNNYNG
tr	Q7GC32	Q7GC32_ORYSI	YYGRGPLQISWNNYNG
tr	Q25AB8	Q25AB8_ORYSA	YYGRGPLQISWNNYNG
tr	C5XX83	C5XX83_SORBI	YYGRGPLQISWNNYNG
tr	B6TT00	B6TT00_MAIZE	YYGRGPLQISWNNYNG
tr	A2X6Z9	A2X6Z9_ORYSI	YYGRGPLQISWNNYNG
tr	D1MJ99	D1MJ99_9ROSI	YYGRGPLQLTWNYYNG
tr	O82547	O82547_CITSI	YYGRGPIQLTGNGNYG
tr	A7Y7L3	A7Y7L3_PRUDU	-YGRGPLQLTWNYYNG
tr	Q9XEN3	Q9XEN3_WHEAT	YYGRGPLQLTWNYYNG
tr	Q9XEN6	Q9XEN6_WHEAT	YYGRGPLQLSWNNYNG
tr	Q7M1Q9	Q7M1Q9_PHYAM	YYGRGPLQLSWNNYNG
tr	C1K2E8	C1K2E8_ELAOL	YFGRGPLQLSWNNYNG
tr	A0A3A1	A0A3A1_ARTAN	YYGRGPIQLSWNNYNG
tr	D0QU15	D0QU15_LACSA	YYGRGPIQLSWNNYNG
tr	B9IQS7	B9IQS7_POPTR	YYGRGPIQLSWNNYNG
tr	B9N605	B9N605_POPTR	YYGRGPIQLSWNNYNG
tr	B9VQ34	B9VQ34_PYRPY	YYGRGPIQLSWNNYNG
tr	O23248	O23248_ARATH	YYGRGPIQLSWNNYNG
tr	Q9M2U5	Q9M2U5_ARATH	YYGRGPIQLSWNNYNG
tr	D1HU25	D1HU25_VITVI	YYGRGPIQLSWNNYNG
tr	A5BSD0	A5BSD0_VITVI	YYGRGPIQLSWNNYNG
tr	C6TK83	C6TK83_SOYBN	YYGRGPIQLTWNYYNG
tr	Q43686	Q43686_VIGUN	YT-VVPIQLSWNNYNG
tr	C6T397	C6T397_SOYBN	YYGRGPIQLSWNNYNG
tr	C6T7J9	C6T7J9_SOYBN	YYGRGPIQLSWNNYNG
tr	Q6RV28	Q6RV28_MEDTR	YYGRGPIQLSWNNYNG
tr	B8Y647	B8Y647_MEDSA	YYGRGPIQLSWNNYNG
tr	A1IJ67	A1IJ67_TOBAC	YYGRGPIQLSWNNYNG
tr	Q96409	Q96409_DAUCA	YFGRGPLQLTWNYYNI
tr	Q7XAF6	Q7XAF6_DAUCA	YFGRGPLQLTWNYYNI
tr	Q96408	Q96408_DAUCA	YFGRGPLQLTWNYYNI
tr	Q96411	Q96411_DAUCA	YFGRGPLQLTWNYYNI
tr	Q96410	Q96410_DAUCA	YFGRGPLQLTWNYYNI
tr	B9T8H9	B9T8H9_RICCO	YYGRGPIQLTWNYYNG

tr	D1HU30	D1HU30_VITVI	YYGRGPLQISWNNYNG
tr	A5C2S9	A5C2S9_VITVI	YYGRGPLQISWNNYNG
tr	D1HU29	D1HU29_VITVI	YYGRGPIQISWNNYNG
tr	A5BSD2	A5BSD2_VITVI	YYGRGPIQLSWNNYNG
tr	D1HU35	D1HU35_VITVI	YYGRGPIQLSWNNYNG
tr	A5AJB3	A5AJB3_VITVI	YYGRGPIQLSWNNYNG
tr	Q7XB39	Q7XB39_VITVI	YYGRGPIQLSWNNYNG
tr	A5BKN8	A5BKN8_VITVI	YYGRGPIQLSWNNYNG
tr	D1HU23	D1HU23_VITVI	YYGRGPIQLSWNNYNG
tr	A5AS02	A5AS02_VITVI	YYGRGPIQLSWNNYNG
tr	D1HU28	D1HU28_VITVI	YYGRGPLQITWNNFYNG
tr	A5BCX7	A5BCX7_VITVI	YYGRGPLQITWNNFYNG
tr	A5BSD1	A5BSD1_VITVI	YYGRGPIQISWNNYNG
tr	D1HU27	D1HU27_VITVI	YYGRGPIQLSWNNYNG
tr	Q710B9	Q710B9_ALNGL	YYGRGPFQLSWNNYNG
tr	D1HU32	D1HU32_VITVI	YYGRGPIQITWNNYNG
tr	B9IQS9	B9IQS9_POPTR	YYGRGPLQLSWNNYNG
tr	A9PH35	A9PH35_POPTR	YYGRGPLQLSWNNYNG
tr	B9IQT0	B9IQT0_POPTR	YHGRGPIQLSWNNYNG
tr	B9N604	B9N604_POPTR	YHGRGPLQISWNNFYNG
tr	B9IQS8	B9IQS8_POPTR	YFGRGPLQLTWNFYNG
tr	B9PF44	B9PF44_POPTR	YFGRGPLQLTWNFYNG
tr	B9SX44	B9SX44_RICCO	YFGRGPIQLTWNFYNG
tr	Q7X9F8	Q7X9F8_9FABA	YYGRGPLQITWNNYNG
tr	Q43150	Q43150_SAMNI	YFGRGPLQLSWNNYNG
tr	Q43151	Q43151_SAMNI	YHGRGPLQLSWNNYNG
tr	O23804	O23804_9CARY	YYGRGPIQITWNNYNG
tr	O23803	O23803_9CARY	YYGRGPIQITWNNYNG
tr	O23806	O23806_9CARY	YYGRGPIQITWNNYNG
tr	O23805	O23805_9CARY	YYGRGPLQLTWNFYNG
tr	Q9XFW7	Q9XFW7_BETVU	YYGRGPLQITWNNYNI
tr	A9ZMK1	A9ZMK1_NEPAL	YYGRGPIQISWNNYNG
tr	B0FZ27	B0FZ27_9ROSI	YYGRGPLQLTWNFYNG
tr	Q7XAU6	Q7XAU6_VITVI	YYGRGPLQLTWNFYNG
tr	O24530	O24530_VITVI	YYGRGPLQLTWNFYNG
tr	B0FZ26	B0FZ26_9ROSI	YYGRGPLQLTWNFYNG
tr	O24531	O24531_VITVI	YYGRGPLQLTWNFYNG
tr	A5AK36	A5AK36_VITVI	YYGRGPLQLTWNFYNG
tr	D1HU34	D1HU34_VITVI	YYGRGPLQISWNNYNG
tr	Q3HUM0	Q3HUM0_LINUS	YYGRGPLQLTWNFYNQ
tr	Q852P9	Q852P9_9LILI	YFGRGPMQLSWNNYNI
tr	Q94C47	Q94C47_BRANA	YYGRGAIQLSWNNYNG
tr	Q43391	Q43391_BRANA	YYGRGAIQLSWNNYNG
tr	A5JVZ1	A5JVZ1_BRAJU	YYGRGAIQLSWNNYNG
tr	O24603	O24603_ARATH	YYGRGAIQLSWNNYNG
tr	O04881	O04881_LINUS	YYGRGPLQLTWNFYNQ
tr	C0PRG2	C0PRG2_PICSI	YHGRGPLQLSWNNYNG
tr	A9NSX6	A9NSX6_PICSI	YHGRGPLQLSWNNYNG
tr	A9NP56	A9NP56_PICSI	YHGRGPLQLSWNNYNG
tr	A9NQV7	A9NQV7_PICSI	YHGRGPLQLSWNNYNG
tr	Q4VSV1	Q4VSV1_PICAB	YHGRGPLQISWNNYNG
tr	C3VP99	C3VP99_PSEMZ	YHGRGPLQLSWNNYNG
tr	C3VPA0	C3VPA0_PSEMZ	YHGRGPLQLSWNNYNG
tr	Q6WSR8	Q6WSR8_PICAB	YHGRGPLQLSWNNYNG
tr	C0JR29	C0JR29_PICAB	YHGRGPLQLSWNNYNG
tr	C0JR28	C0JR28_PICAB	YHGRGPLQLSWNNYNG
tr	Q40838	Q40838_PICGL	YHGRGPLQLSWNNYNG
tr	A9P2F9	A9P2F9_PICSI	YHGRGPLQLSWNNYNG
tr	Q6WSR9	Q6WSR9_PICAB	YHGRGPLQLSWNNYNG
tr	Q6WSS1	Q6WSS1_PICAB	YHGRGPLQLSWNNYNG
tr	Q6E6N0	Q6E6N0_PICAB	YHGRGPLQLSWNNYNG
tr	A9NLX3	A9NLX3_PICSI	YHGRGPLQLSWNNYNG
tr	Q6WSS0	Q6WSS0_PICAB	YHGRGPLQLSWNNYNG
tr	B8LPT4	B8LPT4_PICSI	YHGRGPLQLSWNNYNG
tr	Q596H9	Q596H9_PINMO	YHGRGPLQLSWNNYNG
tr	Q596H8	Q596H8_PINMO	YHGRGPLQLSWNNYNG
tr	Q596H7	Q596H7_PINMO	YHGRGPLQLSWNNYNG
tr	B8LQM1	B8LQM1_PICSI	YHGRGPLQLSWNNYNG
tr	Q5NTA4	Q5NTA4_CRYJA	YHGRGPLQLSWNNYNG
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tr	A9NM89	A9NM89_PICSI	YYGRGPLQLTGNGNYG
tr	A9NM41	A9NM41_PICSI	YYGRGPLQLTGNYG
tr	A9NTE7	A9NTE7_PICSI	YYGRGPLQLTGNYG
tr	A9NPI4	A9NPI4_PICSI	YYGRGPLQLTGNYG
tr	C0PQ29	C0PQ29_PICSI	YYGRGPLQLTGNYG
tr	B8LNR4	B8LNR4_PICSI	YYGRGPLQLTGNYG
tr	A9NP79	A9NP79_PICSI	YYGRGPLQLTWNFYNG

tr	A9NT56	A9NT56_PICSI	YYGRGFLQLKWNYYNYG
tr	B7X6W0	B7X6W0_BRARC	YFGRGPIQLSWNYYNYG
tr	Q05K38	Q05K38_BRARP	YFGRGPIQLSWNYYNYG
tr	A8IXF7	A8IXF7_BRACM	YFGRGPIQLSWNYYNYG
tr	Q9AUF7	Q9AUF7_BRANA	YFGRGPIQLSWNYYNYG
tr	Q9AUF4	Q9AUF4_BRACM	YFGRGPIQLSWNYYNYG
tr	Q9AUF6	Q9AUF6_BRANA	YFGRGPIQLSWNYYNYG
tr	Q9AUF5	Q9AUF5_BRAOL	YFGRGPIQLSWNYYNYG
tr	O24658	O24658_ARATH	YFGRGPIQLSWNYYNYG
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tr	Q9FXB8	Q9FXB8_ARATH	YYGRGLLQSIKWNEFY
tr	A9RL26	A9RL26_PHYPA	YYSRGPLQLSWNYYNYK
tr	Q4A3V2	Q4A3V2_PHYPA	YYGRGPIQLSWNYYNYG
tr	A9T8R4	A9T8R4_PHYPA	YYGRGPIQLSWNYYNYG
tr	A9ZSX9	A9ZSX9_9BRYO	YYGRGPIQLSWNYYNYG
tr	A9TQE8	A9TQE8_PHYPA	YFGRGPIQLSWNYYNYG
tr	A9S7X6	A9S7X6_PHYPA	YFGRGPIQLFWNYYNYG
tr	A9T7E8	A9T7E8_PHYPA	YFGRGPLQISWNYYNYG
tr	A9SXW7	A9SXW7_PHYPA	YFGRGPLQLSWNFNYG
tr	A9TSW7	A9TSW7_PHYPA	YNGRGPLQLSWNYYNYL
tr	A9AX07	A9AX07_HERA2	YFGRGPIQLSWNYYNYG
tr	B3PB24	B3PB24_CELJU	YYGRGPIQLSWNGNYC
tr	A4BFB3	A4BFB3_9GAMM	YYGRGPIQLSWNGNYC
tr	Q08TW9	Q08TW9_STIAU	YYGRGPIQLSWNGNYC
tr	Q08MN3	Q08MN3_STIAU	YYGRGPIQLSWNGNYC
tr	Q1D3S1	Q1D3S1_MYXXD	YYGRGPIQLSWNGNYC
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tr	C7PZK0	C7PZK0_CATAD	YYGRGPLQLSWNFNYI
tr	C7Q712	C7Q712_CATAD	YYGRGPLQLSWNFNYI
tr	Q9RHK5	Q9RHK5_9ACTO	YYGRGPVQLSWNFNYK
tr	Q9RHK6	Q9RHK6_STRLI	YYGRGPVQLSWNFNYK
tr	Q8CK55	Q8CK55_STRCO	YYGRGPVQLSWNFNYK
tr	Q9Z9M4	Q9Z9M4_STRCO	YYGRGPVQLSWNFNYK
tr	B8XA70	B8XA70_9ACTO	YYGRGPVQLSWNFNYK
tr	Q9RHK1	Q9RHK1_9ACTO	YYGRGPVQLSWNFNYK
tr	A3KIM3	A3KIM3_STRAM	YYGRGPVQLSWNFNYK
tr	D1XV00	D1XV00_9ACTO	YYGRGPIQLSWNFNYK
tr	Q9RHU5	Q9RHU5_STRTL	YYGRGPIQLSWNYYNYK
tr	Q9RHU4	Q9RHU4_STRTL	YYGRGPIQLSWNFNYK
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tr	B5HZA0	B5HZA0_9ACTO	YYGRGPIQLSWNFNYK
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tr	Q9RHK9	Q9RHK9_STRCO	YYGRGPIQLSWNFNYK
tr	Q9RHK8	Q9RHK8_STRLI	YYGRGPIQLSWNFNYK
tr	Q9Z9M6	Q9Z9M6_STRCO	YYGRGPIQLSWNFNYK
tr	Q9S6T0	Q9S6T0_STRCO	YYGRGPIQLSWNFNYK
tr	C6KLH5	C6KLH5_9ACTO	YYGRGPIQLSWNFNYK
tr	Q9RHK7	Q9RHK7_STRLI	YYGRGPIQLSWNFNYK
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tr	Q9RHK2	Q9RHK2_9ACTO	YYGRGPIQLSWNFNYK
tr	B3XZQ2	B3XZQ2_STRCN	YYGRGPIQLSWNFNYK
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tr	Q9Z4P2	Q9Z4P2_STROI	YYGRGPIQLSWNFNYK
tr	C9Z1I5	C9Z1I5_STRSW	YYGRGPIQLSWNFNYK
tr	Q75UW9	Q75UW9_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UX3	Q75UX3_9ACTO	YYGRGPIQLSWNFNYK
tr	D2AUP6	D2AUP6_STRRD	YYGRGPIQLSWNFNYK
tr	C6W984	C6W984_ACTMD	YYGRGPIQLSWNFNYK
tr	Q75UX4	Q75UX4_AMYOR	YYGRGPIQLSWNFNYK
tr	Q75UW4	Q75UW4_9ACTO	YYGRGPVQLSWNFNYK
tr	Q75UW6	Q75UW6_PLARO	YYGRGPIQLSWNFNYK
tr	D1XKV1	D1XKV1_9ACTO	YYGRGPIQLSWNFNYK
tr	Q9RHK3	Q9RHK3_9ACTO	YYGRGPIQLSWNFNYK
tr	C9NH04	C9NH04_9ACTO	YYGRGPIQLSWNFNYK
tr	B8XA68	B8XA68_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UW2	Q75UW2_9MICO	YYGRGPVQLSWNFNYK
tr	Q75UX1	Q75UX1_KIBAR	YYGRGPIQLSWNFNYK
tr	Q75UW7	Q75UW7_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UW1	Q75UW1_STRHI	YYGRGPIQLSWNFNYK

tr	Q75UX0	Q75UX0_KIBAR	YYGRGPIQLSWNFNYK
tr	D2Q3H4	D2Q3H4_9ACTO	YYGRGPIQLSWNFNYK
tr	A4XD26	A4XD26_SALTO	YYGRGPIQLSWNFNYN
tr	Q75UX2	Q75UX2_9ACTO	YYGRGPIQLSWNFNYN
tr	B5GNL7	B5GNL7_STRCL	YYGRGPIQLSWNFNYK
tr	C4DHS0	C4DHS0_9ACTO	YYGRGPIQ-SWNFNYK
tr	Q764N6	Q764N6_9ACTO	YYGRGPIQLSWNFNYK
tr	Q9RHJ8	Q9RHJ8_STRSQ	YYGRGPIQLSWNFNYK
tr	Q845Z9	Q845Z9_9ACTO	YYGRGPIQLSWNFNYK
tr	Q5J1K1	Q5J1K1_9ACTO	YYGRGPIQLSWNFNYK
tr	B8XA67	B8XA67_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UX7	Q75UX7_9PSEU	YYGRGPIQLSWNFNYK
tr	Q6V8K4	Q6V8K4_9ACTO	YYKGPIQLSWNFNYK
tr	Q58GF8	Q58GF8_STRLN	YYKGPIQLSWNFNYK
tr	B8XA66	B8XA66_9ACTO	YYKGPIQLSWNFNYK
tr	B8XA65	B8XA65_9ACTO	YYKGPIQLSWNFNYK
tr	B8XA69	B8XA69_9ACTO	YYKGPIQLSWNFNYK
tr	B8XA59	B8XA59_9ACTO	YYKGPIQLSWNFNYK
tr	B8XA61	B8XA61_9ACTO	YYGRGPIQLSWNFNYK
tr	B8XA60	B8XA60_9ACTO	YYGRGPIQLSWNFNYK
tr	B8XA62	B8XA62_9ACTO	YYGRGPIQLSWNFNYK
tr	B8XA58	B8XA58_9ACTO	YYGRGPIQLSWNFNYR
tr	B8XA63	B8XA63_9ACTO	YYGRGPIQLSWNFNYK
tr	C1YRN0	C1YRN0_NOCDA	YYGRGPIQLSWNFNYK
tr	D1WRR0	D1WRR0_9ACTO	YYGRGPIQLSWNFNYK
tr	B1VMB9	B1VMB9_STRGG	YYGRGPIQLSWNFNYK
tr	O50152	O50152_STRGR	YYGRGPIQLSWNFNYK
tr	Q8GI53	Q8GI53_9ACTO	YYKGPIQLAWNFNYK
tr	Q75UW3	Q75UW3_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UW5	Q75UW5_PLARO	YYGRGPIQPSWNFNYK
tr	D2BDW7	D2BDW7_STRRD	YYGRGPIQLSWNFNYK
tr	Q75UX6	Q75UX6_9ACTO	YHGRGPIQLSWNFNYK
tr	B5GNL8	B5GNL8_STRCL	YYGRGPIQLSWNFNYK
tr	B1VMC0	B1VMC0_STRGG	YYGRGPIQPSWNFNYK
tr	D1WRQ9	D1WRQ9_9ACTO	YYGRGPIQPSWNFNYK
tr	D1XKV2	D1XKV2_9ACTO	YYGRGPIQPSWNFNYK
tr	B8XA64	B8XA64_9ACTO	YYGRGPIQLSWNFNYK
tr	Q75UW0	Q75UW0_CELCE	YYGRGPLQLSWNFNYR
tr	A9WKV3	A9WKV3_RENSM	YYGRGSLQLSWNFNYK
tr	A3Q1W7	A3Q1W7_MYCSJ	YFGRGPGQLSWNFNYR
tr	A1UIF3	A1UIF3_MYCSK	YFGRGPGQLSWNFNYR
tr	Q1B6M2	Q1B6M2_MYCSS	YFGRGPGQLSWNFNYR
tr	Q8STP5	Q8STP5_ENCCU	YHGRGPIQLSWPDNYK
tr	B7XK35	B7XK35_ENTBH	YYGRGPIQLSWPDNYK
tr	B0XK59	B0XK59_CULQU	YYGRGYIQLTWDYNYR
tr	B0XJ44	B0XJ44_CULQU	YYGRGYIQLTWDYNYR
tr	Q16JP0	Q16JP0_AEDAE	YYGRGPIQLTWDYNYR
tr	B0WBS6	B0WBS6_CULQU	YYGRGYIQLTWDYNYR
tr	D2VI28	D2VI28_NAEGR	YKGRGPIQITGRANYR
tr	D2VMQ6	D2VMQ6_NAEGR	YKGRGPIQITGRANYR
tr	D2VBA0	D2VBA0_NAEGR	YKGRGPIQITGRANYR
tr	D2VS08	D2VS08_NAEGR	YKGRGPIQITGRANYR
tr	Q08VR7	Q08VR7_STIAU	FKGRGPIQLTGRSNYR
tr	Q1CVS9	Q1CVS9_MYXXD	YKGRGPIQLTGRANYR
tr	C6BBQ6	C6BBQ6_RALP1	FMGRGLIQITGRANYA
tr	B3R5D7	B3R5D7_CUPTR	FRGRGLIQITGRANYA
tr	B4EG73	B4EG73_BURCJ	YRGGGLLQITGRYNFR
tr	B2JCY6	B2JCY6_BURP8	FCCRGCITQVTGRSNYA
tr	Q48J35	Q48J35_PSE14	YRGRGLIQITGRANYA
tr	Q4ZSR6	Q4ZSR6_PSEU2	YRGRGLIQITGRANYA
tr	Q87Y72	Q87Y72_PSESM	YRGRGLIQITGRANYA
tr	Q877M3	Q877M3_PSESM	YRGRGLIQITGRANYA
tr	C3JZM4	C3JZM4_PSEFS	YRGRGLLQITGRANYA
tr	Q48KG4	Q48KG4_PSE14	YRGRGLIQITGRANYA
tr	Q87ZN5	Q87ZN5_PSESM	YRGRGLIQITGRDNYA
tr	Q48JX1	Q48JX1_PSE14	YRGRGLIQITGRANYE
tr	Q4KF46	Q4KF46_PSEF5	YRGRGLIQITGRANYE
tr	Q4ZMK9	Q4ZMK9_PSEU2	YRGRGLIQITGRNTNYE
tr	Q48NQ6	Q48NQ6_PSE14	YRGRGLIQITGRANYE
tr	B0KT09	B0KT09_PSEPG	YRGRGLIQITGRDNYE
tr	B9YYW2	B9YYW2_9NEIS	YCGRGLIQITGRANYE
tr	Q0EWC5	Q0EWC5_9PROT	YRGRGLIMVTGHDNYK
tr	B1WPV6	B1WPV6_CYAA5	FKGRGLIQLTGRANYR
tr	C4S3X5	C4S3X5_YERBE	FRGRGLKQITFLDNYE
tr	B1JI29	B1JI29_YERPY	FRGRGLKQITFLDNYE
tr	C9XYF8	C9XYF8_CROTZ	YRGRGLKQITFKANYE
tr	Q858F0	Q858F0_9CAUD	YRGRGLIQITGLNNYR

tr	B7UGP7	B7UGP7_ECO27	YRGRGLIQITGLNNYR
tr	B7NQQ3	B7NQQ3_ECO7I	YRGRGLIQITGLNNYR
tr	A1AE01	A1AE01_ECOK1	YRGRGLIQITGLNNYR
tr	Q286Y9	Q286Y9_9CAUD	YRGRGLIQITGLNNYR
tr	A6T8B6	A6T8B6_KLEP7	YRGRGLIQTTGLNNYR
tr	D0YLN0	D0YLN0_KLEVA	YRGRGLIQTTGLNNYR
tr	C4X6X0	C4X6X0_KLEPN	YRGRGLIQTTGLNNYR
tr	C8SZ03	C8SZ03_KLEPR	YRGRGLIQTTGLNNYR
tr	B5NGY0	B5NGY0_SALET	YRGRGLIQITGLNNYR
tr	B5MHX8	B5MHX8_SALET	YRGRGLIQITGLNNYR
tr	A9MSG1	A9MSG1_SALPB	YRGRGLIQITGLNNYR
tr	B5Q9Z2	B5Q9Z2_SALVI	YRGRGLIQITGLNNYR
tr	C8Q937	C8Q937_9ENTR	YRGRGIIQITGLSNYR
tr	A7MLQ6	A7MLQ6_ENTS8	YRGRGLIHITGLENYR
tr	C9Y1P6	C9Y1P6_CROTZ	YRGRGLIQITGLENYR
tr	B5QY63	B5QY63_SALEP	YRGRGLLQITGRENYV
tr	C1M3H7	C1M3H7_9ENTR	YRGRGLLQITGRENYA
tr	A9N3F1	A9N3F1_SALPB	YRGRGLIQITGLHNYR
tr	B4TRD8	B4TRD8_SALSV	YRGRGLIQITGLENYT
tr	B5CDL1	B5CDL1_SALET	YRGRGLIQITGLENYT
tr	Q8Z7W2	Q8Z7W2_SALTI	YRGRGLIQITGLENYT
tr	A9N4H1	A9N4H1_SALPB	YRGRGLIQITGLENYT
tr	Q8ZQH4	Q8ZQH4_SALTY	YRGRGLIQITGLENYT
tr	Q57Q94	Q57Q94_SALCH	YRGRGLIQITGLENYT
tr	B5PLD3	B5PLD3_SALET	YRGRGLIQITGLENYT
tr	B5FQV2	B5FQV2_SALDC	YRGRGLIQITGLENYT
tr	B6S2Y3	B6S2Y3_SALDU	YRGRGLIQITGLENYT
tr	D0ZLG3	D0ZLG3_SALT1	YRGRGLIQITGLENYT
tr	C9X7P3	C9X7P3_SALTD	YRGRGLIQITGLENYT
tr	B5N7J2	B5N7J2_SALET	YRGRGLIQITGLENYT
tr	Q8HA86	Q8HA86_9CAUD	YRGRGLIQITGLENYT
tr	B4TNF9	B4TNF9_SALSV	YRGRGLIQITGLENYT
tr	B5CCN5	B5CCN5_SALET	YRGRGLIQITGLENYT
tr	B4TMP0	B4TMP0_SALSV	YRGRGLIQITGLHNYR
tr	B5CBX4	B5CBX4_SALET	YRGRGLIQITGLHNYR
tr	Q06WC1	Q06WC1_SALTY	YRGRGLIQITGLHNYR
tr	C4TVC5	C4TVC5_YERKR	YRGRGLIQITGLDNYR
tr	D2TB12	D2TB12_ERWP6	YRGRGLIQVTGLENYR
tr	D0FSC0	D0FSC0_ERWPY	YRGRGLIQVTGLENYR
tr	A9ML97	A9ML97_SALAR	YRGRGLLQITGRENYT
tr	Q207V1	Q207V1_HARVE	FRGRGAMQLTHRSNYA
tr	Q207V0	Q207V0_HARVE	FRGRGAMQLTHRSNYA
tr	D2TE20	D2TE20_ERWP6	YIGRGLLHLTGRENYQ
tr	C8ZLP4	C8ZLP4_ERWPY	YIGRGLLHLTGRENYQ
tr	D2TE64	D2TE64_ERWP6	YIGRGLLHLTGRENYQ
tr	C8ZLP8	C8ZLP8_ERWPY	YIGRGLLHLTGRENYQ
tr	Q2SLQ7	Q2SLQ7_HAHCH	FKGRGLIQLTGRSNYS
tr	Q82VB8	Q82VB8_NITEU	YKGRGLIQLTGRANYR
tr	Q5ZGC9	Q5ZGC9_9CAUD	FKGRGYIQVTGRYNYT
tr	Q2G4P1	Q2G4P1_NOVAD	YLGRGPIQITGRANYR
tr	D2BY21	D2BY21_DICD5	YRGRGLIQLTGRDNYR
tr	C6CH56	C6CH56_DICZE	YRGRGLIQLTGRDNYR
tr	C6C827	C6C827_DICDC	FRGRGLIQLTGRDNYR
tr	C4RAI8	C4RAI8_9PROT	YRGRGLIQVTGKTNYA
tr	A4TVX0	A4TVX0_9PROT	YRGRGLIQVTGKANYA
tr	Q4KA35	Q4KA35_PSEF5	YRGRGLIQLTGANNYR
tr	B5LAX5	B5LAX5_9BURK	YRGRGLIQLTGRDNYE
tr	C6MHH7	C6MHH7_9PROT	YRGRGYIQLTGKDNYS
tr	A4NUP3	A4NUP3_HAEIN	YRGRGLIQITGKDNYA
tr	Q56AZ0	Q56AZ0_TREHY	YRGRGIIQLTGKNNYK
tr	B9USB1	B9USB1_BRAHW	YRGRGIIQLTGKNNYK
tr	B9USE1	B9USE1_9SPIR	YRGRGIIQLTGKNNYE
tr	C1QF51	C1QF51_9SPIR	YRGRGIIQLTGKNNYK
tr	C1QEUS	C1QEUS_9SPIR	YRGRGIIQLTGKNNYK
tr	C1QGI4	C1QGI4_9SPIR	YRGRGIIQLTGKNNYK
tr	Q8PQ62	Q8PQ62_XANAC	YRGRGYIQLTGKDQYR
tr	Q3BYD6	Q3BYD6_XANC5	YRGRGYIQLTGKDQYR
tr	B2FJG3	B2FJG3_STRMK	YHGRGYLPLVGKENYE
tr	B4SNB5	B4SNB5_STRM5	YHGRGYLPLVGKENYE
tr	C1D6N5	C1D6N5_LARHH	YRGRGFIQLTGRDNYA
tr	Q5GX30	Q5GX30_XANOR	YKKGIIQLTWKGTYN
tr	B2SI96	B2SI96_XANOP	YKKGIIQLTWKGTYN
tr	A4XNG6	A4XNG6_PSEMY	YKGRGLIQLTWSAYQ
tr	B8IAI0	B8IAI0_METNO	FYGRGDVQLTHERNYI
tr	B8IIX3	B8IIX3_METNO	FYGRGDVQLTHERNYI
tr	B9JVZ7	B9JVZ7_AGRVS	WLGRGYVQLTHKGNYN
tr	D2PVE1	D2PVE1_9ACTO	YGGRYIQLTGDFNYG

tr|B0VVF0|B0VVF0_ACIBS YKGRGLMQITYKKNYE