





Consensus

1. *MAT1-2-1 V. bohemica* strain No. 20020 Gene05693
2. *MAT1-2-1 V. bohemica* strain No. 20124 Gene05691
3. *MAT1-2-1 V. bohemica* strain No. 21108 Gene05690
4. *MAT1-2-1 V. conica* strain No. 21117 Gene05375
5. *MAT1-2-1 V. conica* strain No. 21120 Gene05382

		
	MPSSXXPXQMLREAIGPINQRFGYINEQNALNKLAGFRIEYDPSFDFVGSDGYTFSVKVFTTSDPNKSLELGDVKNKPETY	
1	-----MLREAIGPINQRFGYINEQNALNKLAGFRIEYDPSFDFVGSDGYTFSVKVFTTSDPNKSLELGDVKNKPETY	71
2	MPSSLDPFQMLREAIGPINQRFGYINEQNALNKLAGFRIEYDPSFDFVGSDGYTFSVKVFTTSDPNKSLELGDVKNKPETY	80
3	MPSSLDPFQMLREAIGPINQRFGYINEQNALNKLAGFRIEYDPSFDFVGSDGYTFSVKVFTTSDPNKSLELGDVKNKPETY	80
4	-----MLREAIWHINQRFSYINEQNALNKLAGFRIEYDPSDFIIGSDGNTFSVKVFTTPDPNKSLELGDISEPETY	71
5	MPSSIQPAQMLREAIWHINQRFSYINEQNALNKLAGFRIEYDPSDFIIGSDGNTFSVKVFTTPDPNKSLELGDISEPETY	80
		
	TVLTKTGFI RNYPCIRTNEGALIFVHDPATTGADKIYEGYKKFIDPQ-----XXXFIIYRNAEM	
1	TVLTKTGFI RNYPCIRTNEGALIFVHDPATTGADKIYEGYKKFIDPQ-----TSSFIIYRNAEM	130
2	TVLTKTGFI RNYPCIRTNEGALIFVHDPATTGADKIYEGYKKFIDPH-----FIIYRNAEM	136
3	TVLTKTGFI RNYPCIRTNEGALIFVHDPATTGADKIYEGYKKFIDPH-----FIIYRNAEM	136
4	TVVTKTGLIKDYPCVRTNEGALIFVHDPTVTGADKIYEGYKKFIDPQYMTQGVSR TVKKNVKQHVP R PMNAFIIYRTAEM	151
5	TVVTKTGLIKDYPCVRTNEGALIFVHDPTVTGADKIYEGYKKFIDPQYMTQGVSR TVKKNVKQHVP R PMNAFIIYRTAEM	160
		
	ATVRQQYPGIGNNDVSRIIGQRWRELDLGRNHYKVLATRSAQEHQLRHPPGYKYTPRKAEDV VRRRKRSAMPSDLEHIRN	
1	ATVRQQYPGIGNNDVSRIIGQRWRELDLGRNHYKVLATRSAQEHQLRHPPGYKYTPRKAEDV VRRRKRSAMPSDLEHIRN	210
2	ATVRQQYPGIGNNDVSRIIGQRWRELDLGRNHYKVLATRSAQEHQLRHPPGYKYTPRKAEDV VRRRKRSAMPSDLEHIRN	216
3	ATVRQQYPGIGNNDVSRIIGQRWRELDLGRNHYKVLATRSAQEHQLRHPPGYKYTPRKAEDV VRRRKRSAMPSDLEHIRN	216
4	VTVRQQYPGIGNNDVSRIIGQRWRELDSETRTHYKILATRSAQEHQLKHPGYKYTPRKAEDV VRRRKRS A IASDLGHIRN	231
5	VTVRQQYPGIGNNDVSRIIGQRWRELDSETRTHYKILATRSAQEHQLKHPGYKYTPRKAEDV VRRRKRS A IASDLGHIRN	240
		
	PKIHRGSDPIETLPVPLHNLIPGYPDLDNLTNTWVQDPTPDHFNALMDGFDSALGLAAENNLQKX	
1	PKIHRGSDPIETLPVPLHNLIPGYPDLDNLTNTWVQDPTPDHFNALMDGFDSALGLAAENNLQKN	275
2	PKIHRGSDPIETLPVPLHNLIPGYPDLDNLTNTWVQDPTPDHFNALMDGFDSALGLAAENNLQKN	281
3	PKIHRGSDPIETLPVPLHNLIPGYPDLDNLTNTWVQDPTPDHFNALMDGFDSALGLAAENNLQKK	281
4	PKIHRSDNIVETPPASLHDLIPGYPDLDLTNTWVQEPTPDHFNALMHGFD CALGLAAENNLQNI	296
5	PKIHRSDNIVETPPASLHDLIPGYPDLDLTNTWVQEPTPDHFNALMHGFD CALGLAAENNLQNI	305