

Strain (accession number)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1 <i>Vischeria stellata</i> SAG 33.83 (KY271674)	-																								
2 <i>V. stellata</i> SAG 887-2 (KY271675)	1	-																							
3 <i>V. helvetica</i> SAG 876-1 (KY271672) ¹ / <i>V. punctata</i> SAG 887-1 (KY271673)	16	17	-																						
4 <i>Eustigmatos magnus</i> SAG 2370 (KY271677)	17	18	4	-																					
5 <i>E. magnus</i> SAG 2266 (KY271676)	19	20	6	4	-																				
6 <i>E. calaminaris</i> CCALA 1014 (JX202554) ²	14	15	6	6	8	-																			
7 <i>E. polyphem</i> SAG 38.84 clone 6 (KY271691) ³	19	20	6	4	6	8	-																		
8 <i>E. polyphem</i> SAG 38.84 clone 7 (KY271692)	18	19	5	3	5	7	3	-																	
9 <i>E. polyphem</i> SAG 38.84 clone 3 (KY271689)	17	18	4	2	4	6	2	1	-																
10 <i>E. polyphem</i> SAG 38.84 clone 4 (KY271690)	15	16	7	7	9	1	9	8	7	-															
11 <i>E. vischeri</i> SAG 860-1 clone 5 (KY271695) ⁴	19	20	8	8	10	8	10	9	8	9	-														
12 <i>E. vischeri</i> SAG 860-1 clone 9 (KY271696)	20	21	9	9	11	9	11	10	9	10	1	-													
13 <i>E. vischeri</i> SAG 860-1 clone 1 (KY271693)	20	21	9	9	11	9	11	10	9	10	1	2	-												
14 <i>E. vischeri</i> SAG 860-1 clone 2 (KY271694)	21	22	10	10	12	10	12	11	10	11	2	3	3	-											
15 Environmental clone BM3S41 (KY940041)	14	15	9	10	12	6	12	11	10	7	10	11	10	12	-										
16 <i>E. magnus</i> SAG 36.89 clone 9 (KY271688) ⁵	19	20	11	9	11	10	11	10	9	11	13	14	14	15	13	-									
17 <i>E. magnus</i> SAG 36.89 clone 6 (KY271686)	20	21	12	10	12	11	12	11	10	12	14	15	15	16	14	1	-								
18 <i>E. magnus</i> SAG 36.89 clone 8 (KY271687)	20	21	12	10	12	11	12	11	10	12	14	15	15	16	14	1	2	-							
19 <i>E. magnus</i> SAG 36.89 clone 2 (KY271685)	21	22	13	11	13	12	13	12	11	13	15	16	14	17	14	2	3	3	-						
20 Unidentified eustigmatophyte UTEX 2631 (FJ937351)	14	15	8	9	11	6	10	10	9	7	11	12	12	13	6	12	13	13	14	-					
21 <i>Chloridella simplex</i> SAG 51.91 (KY271671)	19	20	6	6	8	8	8	7	6	9	10	11	11	12	12	13	14	14	15	11	-				
22 <i>E. vischeri</i> CCAP 860/7 (KJ713283)	19	20	14	15	17	11	17	16	15	12	17	18	17	19	8	18	19	19	19	11	17	-			
23 <i>C. neglecta</i> SAG 48.84 (KY271697)	19	20	14	15	17	11	17	16	15	12	17	18	18	19	11	18	19	19	20	11	17	16	-		
24 Unidentified eustigmatophyte SAG 2561 (KY271679)	22	23	16	16	18	13	18	15	16	14	19	20	20	19	15	16	17	17	18	14	18	20	18	-	
25 Unidentified eustigmatophyte SAG 2553 (KY271680)	20	21	23	23	25	21	25	24	23	22	24	25	25	26	22	24	25	25	26	21	25	25	27	28	-
26 <i>E. magnus</i> SAG 2506 (KY271678)	32	33	28	28	29	25	30	29	28	26	30	31	31	32	26	32	33	33	34	28	30	33	32	30	38

¹sequence identical with JX202559 of the same strain

²sequence identical with JX202555 (*E. calaminaris* CCALA 1013)

³sequence identical with JX202558 of the same strain

⁴sequence identical with JX202556 of the same strain

⁵sequence identical with JX202557 of the same strain