Unter- bis Mittel-Toarcium	Ober-Toarcium	Grenzbereich Toarcium/ Aalenium	Unter-Aalenium												Aalenium	Unter-Bajocium											Ober-Bajocium					Unter-Bathonium			Unter- bis Mittel-Bathonium	Unter- und Ober-Callovium	Unter-Oxfordium	Mittel-Oxfordium		Stufe	
(Posidonien-schiefer-Fazies)		Torulosum-Subzone/Basis Opalinum-Zone	Opalinum-Zone											höhere Opalinum-Zone	Opalinum- bis Murchisonae-Zone	Laeviuscula-Zone							Sauzei-Zone			Humphriesianum-Zone		Niortense-Zone			Garantiana- bis Parkinsoni Zone		Zigzag-Zone			Tenuiplicatus- bis Morrisi-Zone	Calloviense- und Lamberti-Zone	Mariae-Zone	Transversarium Zone		Ammoniten-Zone	
958.43	949.87	947.65	945.56	939.07	927.28	919.38	907.90	894.61	886.90	878.87	871.79	862.81	852.80	849.43	842.18	833.69	831.28	827.35	820.66	817.90	814.86	810.93	807.84	804.46	803.38	800.76	799.12	794.88	793.61	791.90	788.04	784.60	782.66	779.15	773.14	769.35	767.82	761.13	757.85	757.44	755.75	752.65	Teufe [m]	

	Dinoflagellatenzysten:	alphabetische Reihenfolge:
1	*Reutlingia* spp.	*Acanthaulax crispa* 71
2	*Valvaeodinium armatum*	*Acanthaulax sp.* 168
3	*Dodekovia bullula*	*Acanthaulax venusta* 149
4	*Scriniocassis limbicavatus*	*Adnatosphaeridium caulleryi* 126
5	*Scriniocassis priscus*	*Aldorfia aldorfensis* 78
6	*Scriniocassis weberi*	*Aldorfia dictyota* 142
7	*Evansia*? cf. *granochagrinata*	*Aldorfia* sp. 62
8	*Moesiodinium raileanui*	*Andreedinium* aff. *elongatum* 34
9	*Valvaeodinium cavum*	*Andreedinium elongatum* 22
10	*Nannoceratopsis gracilis* s.str.	*Andreedinium* sp. 39
11	*Mancodinium semitabulatum*	*Atopodinium polygonale* 100
12	*Nannoceratopsis gracilis* s.l.	*Atopodinium prostatum* 123
13	*Nannoceratopsis* spp.	*Batiacasphaera laevigata* 70
14	*Reutlingia nasuta*	*Batiacasphaera* sp. A in Feist-Burkhardt & Pross 2010 38
15	*Dodekovia knertensis*	*Belodinium asaphum* 158
16	*Reutlingia cardobarbata*	*Carpathodinium predae* 102
17	*Valvaeodinium sphaerechinatum*	*Carpathodinium* sp. 1 84
18	*Kallosphaeridium praussii*	*Cavatodissiliodinium hansgochtii* 49
19	*Nannoceratopsis ambonis*	*Chlamydophorella* spp. 91
20	*Parvocysta? tricornuta*	*Chytroeisphaeridia cerastes* 143
21	*Reutlingia hirsuta*	*Chytroeisphaeridia chytroeides* 83
22	*Andreedinium elongatum*	*Chytroeisphaeridia scabrata* 117
23	*Phallocysta? frommernensis*	*Cleistosphaeridium iaculigerum* 154
24	*Susadinium scrofoides*	*Cleistosphaeridium lumectum* 133
25	*Wallodinium laganum*	*Cleistosphaeridium* sp. 1 98
26	*Dodekovia pseudochytroeides*	*Cleistosphaeridium* sp. 2 120
27	*Nannoceratopsis triangulata*	*Cleistosphaeridium tribuliferum* 150
28	*Nannoceratopsis dictyambonis*	*Comparodinium punctatum* 32
29	*Dodekovia* spp.	*Compositosphaeridium polonicum* 127
30	*Nannoceratopsis* cf. *senex*	*Cribroperidinium* sp. 159
31	*Valvaeodinium* spp.	*Ctenidodinium combazii* 111
32	*Comparodinium punctatum*	*Ctenidodinium continuum* 80
33	*Reutlingia cracens*	*Ctenidodinium cornigerum* 94
34	*Andreedinium* aff. *elongatum*	*Ctenidodinium mosaicum* 124
35	*Valvaeodinium brevepellitum*	*Ctenidodinium ornatum* 112
36	*Parvocysta? bjaerkei*	*Ctenidodinium selwoodii* 108
37	*Ovalicysta hiata*	*Ctenidodinium* spp. 81
38	*Batiacasphaera* sp. A in Feist-Burkhardt & Pross 2010	*Ctenidodinium stauromatos* 103
39	*Andreedinium* sp.	*Ctenidodinium tenellum* 104
40	*Hystrichodinium*? sp.	*Dissiliodinium* aff. *giganteum* 58
41	*Nannoceratopsis* sp. B in Feist 1987	*Dissiliodinium giganteum* 47
42	*Reutlingia* sp. in SFB & Pross 2010	*Dissiliodinium lichenoides* 48
43	*Nannoceratopsis plegas*	*Dissiliodinium minimum* 118
44	*Reutlingia fausta*	*Dissiliodinium* sp. B in Feist-Burkhardt 1990 50
45	*Dodekovia pinna*	*Dissiliodinium* spp. 53
46	*Evansia? eschachensis*	*Dodekovia bullula* 3
47	*Dissiliodinium giganteum*	*Dodekovia knertensis* 15
48	*Dissiliodinium lichenoides*	*Dodekovia pinna* 45
49	*Cavatodissiliodinium hansgochtii*	*Dodekovia pseudochytroeides* 26
50	*Dissiliodinium* sp. B in Feist-Burkhardt 1990	*Dodekovia* spp. 29
51	*Evansia? spongogranulata*	*Durotrigia daveyi* 52
52	*Durotrigia daveyi*	*Durotrigia filapicata* 63
53	*Dissiliodinium* spp.	*Durotrigia omentifera* 85
54	*Valvaeodinium vermipellitum*	*Durotrigia* spp. 64
55	*Gongylodinium erymnoteichon*	*Ellipsoidictyum cinctum* 160
56	*Pareodinia* spp.	*Ellipsoidictyum sp.* 86
57	*Sentusidinium* spp.	*Endoscrinium asymmetricum* 93
58	*Dissiliodinium* aff. *giganteum*	*Endoscrinium* cf. *luridum* 92
59	*Kallosphaeridium* spp.	*Endoscrinium galeritum* 155
60	*Reutlingia gochtii*	*Endoscrinium galeritum reticulatum* 151
61	*Sentusidinium asymmetrum*	*Endoscrinium* sp. 77
62	*Aldorfia* sp.	*Eodinia* sp. in Feist-Burkhardt & Wille 1992 113
63	*Durotrigia filapicata*	*Evansia*? cf. *granochagrinata* 7
64	*Durotrigia* spp.	*Evansia? eschachensis* 46
65	*Nannoceratopsis spiculata*	*Evansia? spongogranulata* 51
66	*Wanaea indotata*	*Glossodinium dimorphum* 161
67	*Pareodinia ceratophora*	*Gongylodinium erymnoteichon* 55
68	*Meiourogonyaulax* spp.	*Gongylodinium hocneratum* 79
69	*Valensiella ovulum*	gonyaulacoide Zyste indet 1 99
70	*Batiacasphaera laevigata*	gonyaulacoide Zyste indet 2 96
71	*Acanthaulax crispa*	*Gonyaulacysta centriconnata* 128
72	*Kallosphaeridium hypornatum*	*Gonyaulacysta eisenackii* 115
73	*Meiourogonyaulax valensii*	*Gonyaulacysta jurassica* 122
74	*Rhynchodiniopsis? regalis*	*Gonyaulacysta pectinigera* 90
75	*Valensiella/Ellipsoidictyum* complex	*Gonyaulacysta* spp. 119
76	*Sentusidinium* sp. 1	*Hystrichodinium*? sp. 40
77	*Endoscrinium* sp.	*Kallosphaeridium hypornatum* 72
78	*Aldorfia aldorfensis*	*Kallosphaeridium praussii* 18
79	*Gongylodinium hocneratum*	*Kallosphaeridium* spp. 59
80	*Ctenidodinium continuum*	*Korystocysta pachyderma* 125
81	*Ctenidodinium* spp.	*Korystocysta* cf. *gochtii* 82
82	*Korystocyste* cf. *gochtii*	*Leptodinium arcuatum* 163
83	*Chytroeisphaeridia chytroeides*	*Leptodinium mirabile* 162
84	*Carpathodinium* sp. 1	*Leptodinium* sp. 169
85	*Durotrigia omentifera*	*Leptodinium subtile* 164
86	*Ellipsoidictyum sp.*	*Liesbergia liesbergensis* 129
87	*Pareodinia* sp. 2 in Feist-Burkhardt & Monteil 1998	*Liesbergia scarburghensis* 144
88	*Valvaeodinium spinosum*	*Limbodinium absidatum* 134
89	*Willeidinium baiocassinum*	*Lithodinia jurassica* 114
90	*Gonyaulacysta pectinigera*	*Lithodinia* sp. 1 97
91	*Chlamydophorella* spp.	*Lithodinia* spp. 107
92	*Endoscrinium* cf. *luridum*	*Mancodinium semitabulatum* 11
93	*Endoscrinium asymmetricum*	*Meiourogonyaulax* sp. 1 in Feist-Burkhardt & Monteil 1998 105
94	*Ctenidodinium cornigerum*	*Meiourogonyaulax* spp. 68
95	*Protobatioladinium mercieri*	*Meiourogonyaulax valensii* 73
96	gonyaulacoide Zyste indet 2	*Mendicodinium* spp. 135
97	*Lithodinia* sp. 1	*Moesiodinium raileanui* 8
98	*Cleistosphaeridium* sp. 1	*Nannoceratopsis ambonis* 19
99	gonyaulacoide Zyste indet 1	*Nannoceratopsis* cf. *senex* 30
100	*Atopodinium polygonale*	*Nannoceratopsis dictyambonis* 28
101	*Orobodinium rete*	*Nannoceratopsis gracilis* s.l. 12
102	*Carpathodinium predae*	*Nannoceratopsis gracilis* s.str. 10
103	*Ctenidodinium stauromatos*	*Nannoceratopsis pellucida* 130
104	*Ctenidodinium tenellum*	*Nannoceratopsis plegas* 43
105	*Meiourogonyaulax* sp. 1 in Feist-Burkhardt & Monteil 1998	*Nannoceratopsis* sp. B in Feist 1987 41
106	*Sirmiodiniopsis* sp.	*Nannoceratopsis spiculata* 65
107	*Lithodinia* spp.	*Nannoceratopsis* spp. 13
108	*Ctenidodinium selwoodii*	*Nannoceratopsis triangulata* 27
109	*Pareodinia* sp. 1 in Feist-Burkhardt & Monteil 1998	*Omatidium amphiacanthum* 145
110	*Valvaeodinium vermicylindratum*	*Orobodinium automobile* 139
111	*Ctenidodinium combazii*	*Orobodinium changii* 121
112	*Ctenidodinium ornatum*	*Orobodinium rete* 101
113	*Eodinia* sp. in Feist-Burkhardt & Wille 1992	*Ovalicysta hiata* 37
114	*Lithodinia jurassica*	*Pareodinia ceratophora* 67
115	*Gonyaulacysta eisenackii*	*Pareodinia prolongata* 146
116	*Tubotuberella dangeardii*	*Pareodinia* sp. 1 in Feist-Burkhardt & Monteil 1998 109
117	*Chytroeisphaeridia scabrata*	*Pareodinia* sp. 2 in Feist-Burkhardt & Monteil 1998 87
118	*Dissiliodinium minimum*	*Pareodinia* spp. 56
119	*Gonyaulacysta* spp.	*Parvocysta? bjaerkei* 36
120	*Cleistosphaeridium* sp. 2	*Parvocysta? tricornuta* 20
121	*Orobodinium changii*	*Phallocysta? frommernensis* 23
122	*Gonyaulacysta jurassica*	*Polygonifera* sp. 156
123	*Atopodinium prostatum*	*Prolixosphaeridium anasillum* 157
124	*Ctenidodinium mosaicum*	*Protobatioladinium mercieri* 95
125	*Korystocysta pachyderma*	*Reutlingia cardobarbata* 16
126	*Adnatosphaeridium caulleryi*	*Reutlingia cracens* 33
127	*Compositosphaeridium polonicum*	*Reutlingia fausta* 44
128	*Gonyaulacysta centriconnata*	*Reutlingia gochtii* 60
129	*Liesbergia liesbergensis*	*Reutlingia hirsuta* 21
130	*Nannoceratopsis pellucida*	*Reutlingia nasuta* 14
131	*Rigaudella aemula*	*Reutlingia* sp. in SFB & Pross 2010 42
132	*Sentusidinium varispinosum*	*Reutlingia* spp. 1
133	*Cleistosphaeridium lumectum*	*Rhynchodiniopsis cladophora* 140
134	*Limbodinium absidatum*	*Rhynchodiniopsis? regalis* 74
135	*Mendicodinium* spp.	*Rigaudella aemula* 131
136	*Sirmiodiniopsis orbis*	*Scriniocassis limbicavatus* 4
137	*Stephanelytron redcliffense*	*Scriniocassis priscus* 5
138	*Stephanelytron scarburghense*	*Scriniocassis weberi* 6
139	*Orobodinium automobile*	*Scriniodinium crystallinum* 152
140	*Rhynchodiniopsis cladophora*	*Sentusidinium asymmetrum* 61
141	*Sentusidinium rioultii*	*Sentusidinium rioultii* 141
142	*Aldorfia dictyota*	*Sentusidinium* sp. 1 76
143	*Chytroeisphaeridia cerastes*	*Sentusidinium* spp. 57
144	*Liesbergia scarburghensis*	*Sentusidinium varispinosum* 132
145	*Omatidium amphiacanthum*	*Sirmiodiniopsis orbis* 136
146	*Pareodinia prolongata*	*Sirmiodiniopsis* sp. 106
147	*Wanaea fimbriata*	*Sirmiodinium grossi* 153
148	*Wanaea thysanota*	*Stephanelytron redcliffense* 137
149	*Acanthaulax venusta*	*Stephanelytron scarburghense* 138
150	*Cleistosphaeridium tribuliferum*	*Susadinium scrofoides* 24
151	*Endoscrinium galeritum reticulatum*	*Systematophora areolata* 165
152	*Scriniodinium crystallinum*	*Sytematophora* spp. 166
153	*Sirmiodinium grossi*	*Taeniophora iunctispina* 167
154	*Cleistosphaeridium iaculigerum*	*Tubotuberella dangeardii* 116
155	*Endoscrinium galeritum*	*Valensiella ovulum* 69
156	*Polygonifera* sp.	*Valensiella/Ellipsoidictyum* complex 75
157	*Prolixosphaeridium anasillum*	*Valvaeodinium armatum* 2
158	*Belodinium asaphum*	*Valvaeodinium brevepellitum* 35
159	*Cribroperidinium* sp.	*Valvaeodinium cavum* 9
160	*Ellipsoidictyum cinctum*	*Valvaeodinium sphaerechinatum* 17
161	*Glossodinium dimorphum*	*Valvaeodinium spinosum* 88
162	*Leptodinium mirabile*	*Valvaeodinium* spp. 31
163	*Leptodinium arcuatum*	*Valvaeodinium vermicylindratum* 110
164	*Leptodinium subtile*	*Valvaeodinium vermipellitum* 54
165	*Systematophora areolata*	*Wallodinium laganum* 25
166	*Sytematophora* spp.	*Wanaea fimbriata* 147
167	*Taeniophora iunctispina*	*Wanaea indotata* 66
168	*Acanthaulax sp.*	*Wanaea thysanota* 148
169	*Leptodinium* sp.	*Willeidinium baiocassinum* 89

	andere aquatische Palynomorphe:	
	Botryococcus	
	Cometodinium sp.	
	Cymatiosphaera spp.	
	Foraminiferentapeten, biserial	
	Foraminiferentapeten, spiralig	
	Foraminiferentapeten, uniserial	
	Fromea tornatilis	
	Hystrichosphaeridium? deflandrei	
	Kalyptea halosa	
	Kalyptea stegasta	
	Leiosphaeridia, gross	
	Lunulidia sp. in Gocht 1964	
	Micrhystridium spp./*Baltisphaeridium* spp.	
	Pterospermopsis sp.	
	Skolekodont	
	Sphaeromorphe Algen	
	Tasmanites s.l.	

	Pollen & Sporen:	
	Acanthotriletes varius	
	Araucariacites australis	
	bisaccate Pollenkörner	
	Calamospora tenera	
	Callialasporites dampieri	
	Callialasporites microvelatus	
	Callialasporites minor	
	Callialasporites segmentatus	
	Callialasporites trilobatus	
	Callialasporites turbatus	
	Cerebropollenites mesozoicus	
	Chasmatosporites apertus	
	Chasmatosporites hians	
	Classopollis torosus	
	Classopollis torosus Tetrade	
	Conbaculatisporites spp.	
	Concavisporites spp.	
	Cycadopites spp.	
	Deltoidospora australis	
	Deltoidospora minor	
	Densoisporites velatus	
	Dictyophyllidites harrisii	
	Dictyophyllidites mortoni	
	Dictyophyllidites spp.	
	Duplexisporites problematicus	
	Eucommiidites troedsonii	
	Exesipollenites scabratus	
	Exesipollenites tumulus	
	Foveosporites spp.	
	Heliosporites altmarkensis	
	Heliosporites altmarkensis Tetrade	
	Ischyosporites variegatus	
	Kekryphalospora distincta	
	Leptolepidites major	
	Leptolepidites verrucatus	
	Lycopodiacidites rugulatus	
	Lycopodiumsporites austroclavatidites	
	Lycopodiumsporites clavatoides	
	Lycopodiumsporites gristhorpensis	
	Lycopodiumsporites reticulumsporites	
	Lycopodiumsporites semimuris	
	Microreticulatisporites spp.	
	Obtusisporis juncta	
	Perinopollenites elatoides	
	Quadraeculina anellaeformis	
	Sphaeripollenites spp.	
	Staplinisporites caminus	
	Stereisporites spp.	
	Todisporites minor	
	Trilites rariverrucatus	
	Uvaesporites argentaeformis	
	Vitreisporites pallidus	

	aufgearbeitete Palynomorphen:	
	Densosporites spp. (-> Devon-Trias)	
	Ovalipollis spp. (-> Trias)	
	Rhaetipollis germanicus (-> Rhät)	

✦ = präsent
✦✦ = häufig
✦✦✦ = sehr häufig
DDDD = dominierend

Anlage 3: Bohrung Schlattingen Range-Chart