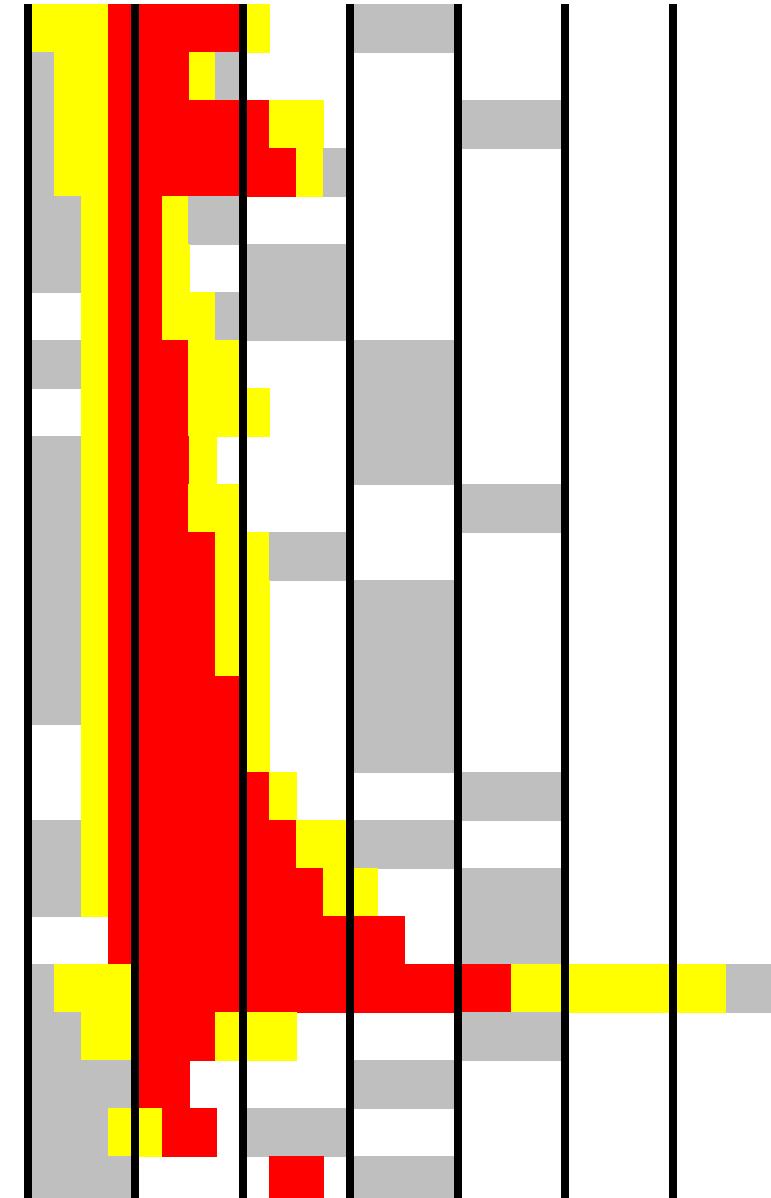
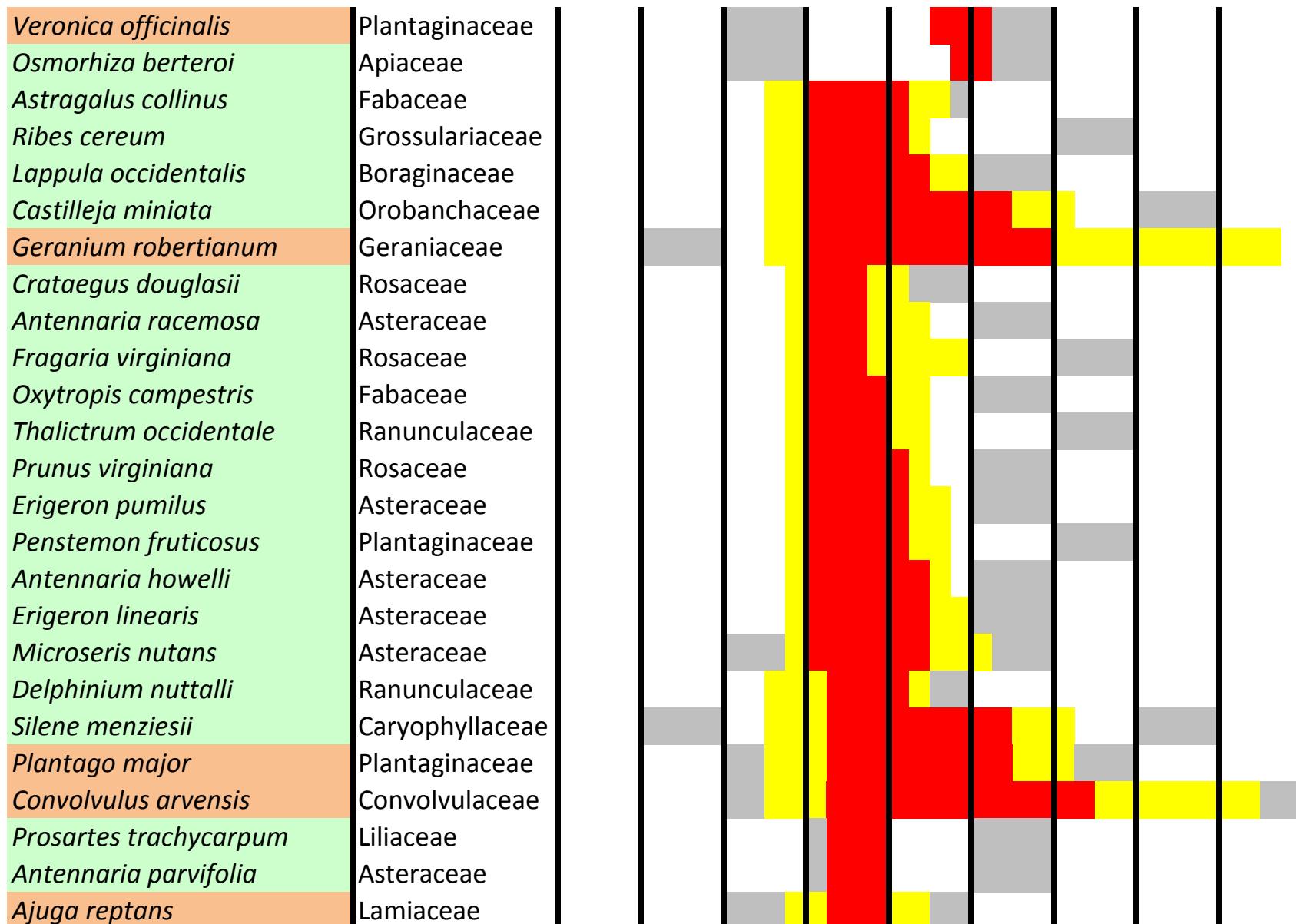
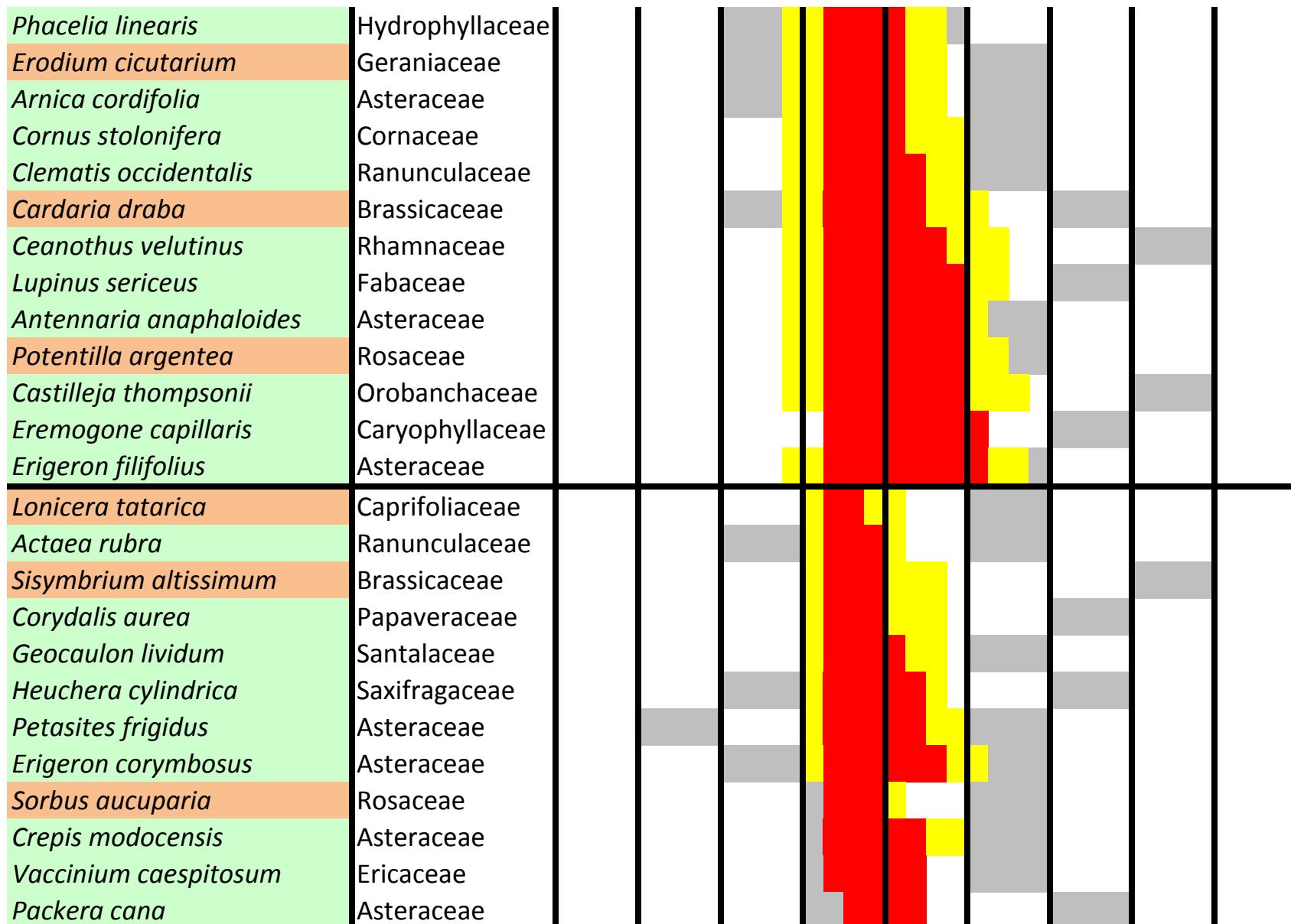


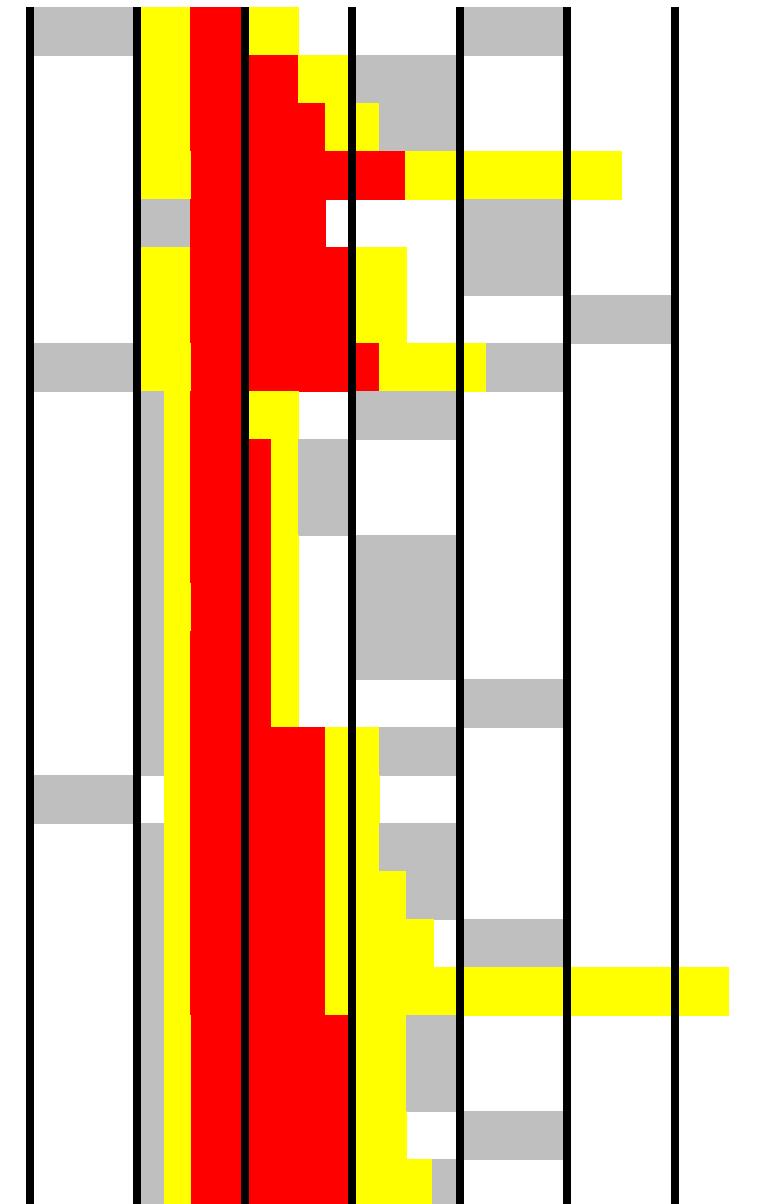
<i>Alyssum alyssoides</i>	Brassicaceae
<i>Holosteum umbellatum</i>	Caryophyllaceae
<i>Comandra umbellatum</i>	Santalaceae
<i>Lithospermum ruderale</i>	Boraginaceae
<i>Muscat botryoides</i>	Asparagaceae
<i>Mahonia repens</i>	Berberidaceae
<i>Lomatium dissectum</i>	Apiaceae
<i>Lomatium triternatum</i>	Apiaceae
<i>Arctostaphylos uva-ursi</i>	Ericaceae
<i>Prosartes hookeri</i>	Liliaceae
<i>Viola adunca</i>	Violaceae
<i>Descurainia incisa</i>	Brassicaceae
<i>Lamium amplexicaule</i>	Lamiaceae
<i>Shepherdia canadensis</i>	Elaeagnaceae
<i>Toxicoscordion venenosum</i>	Melanthiaceae
<i>Lomatium nudicaule</i>	Apiaceae
<i>Phacelia hastata</i>	Hydrophyllaceae
<i>Maianthemum canadense</i>	Asparagaceae
<i>Cerastium arvense</i>	Caryophyllaceae
<i>Castilleja hispida</i>	Orobanchaceae
<i>Achillea millefolium</i>	Asteraceae
<i>Thlaspi arvense</i>	Brassicaceae
<i>Claytonia rubra</i>	Montiaceae
<i>Boechera pauciflora</i>	Brassicaceae
<i>Rubus leucodermis</i>	Rosaceae



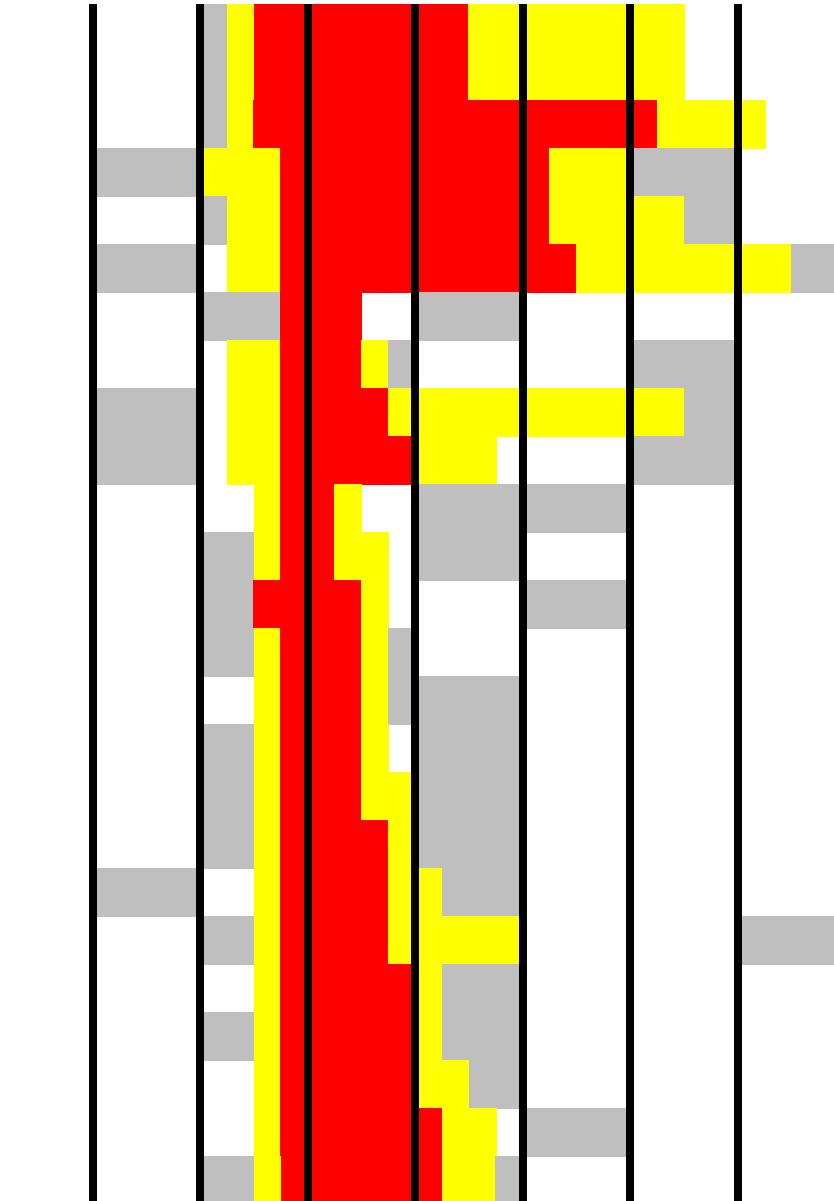




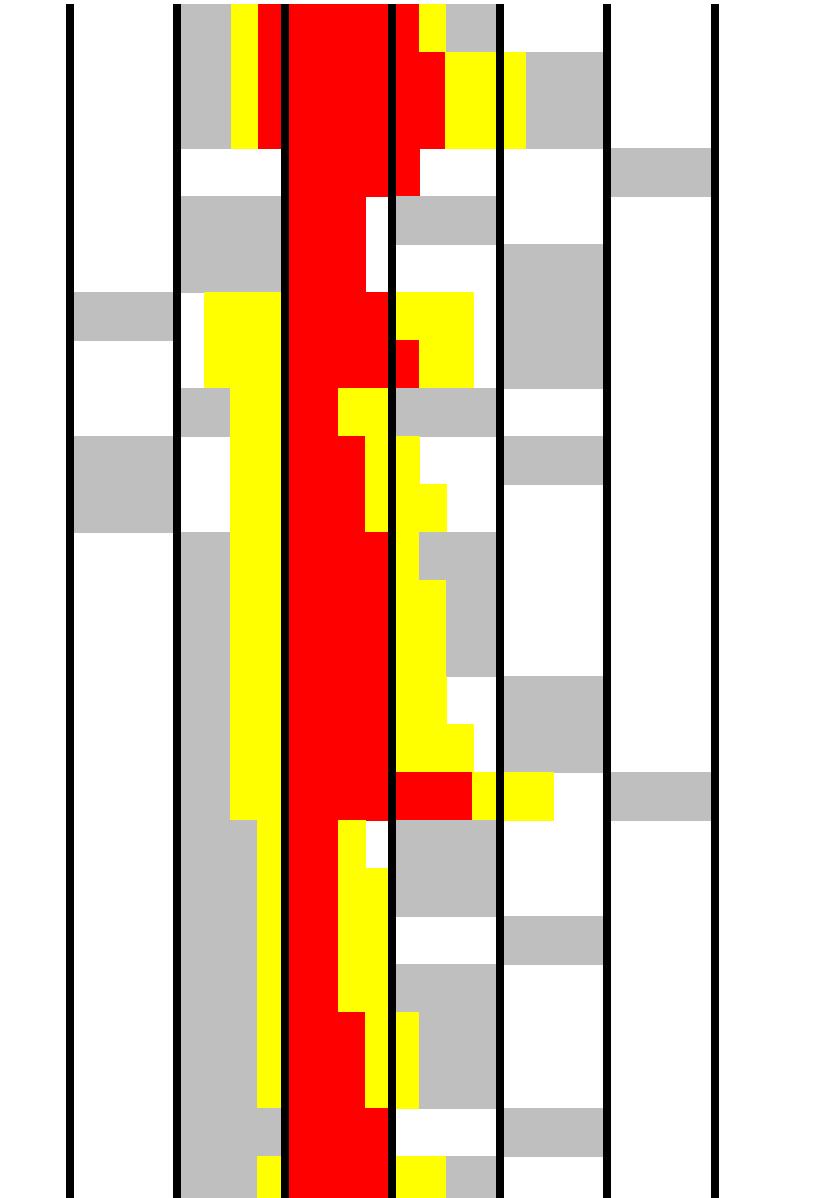
<i>Corallorrhiza striata</i>	Orchidaceae
<i>Arnica sororia</i>	Asteraceae
<i>Cynoglossum officinale</i>	Boraginaceae
<i>Erigeron flagellaris</i>	Asteraceae
<i>Lewisia rediviva</i>	Montiaceae
<i>Astragalus agrestis</i>	Fabaceae
<i>Lonicera involucrata</i>	Caprifoliaceae
<i>Plantago lanceolata</i>	Plantaginaceae
<i>Maianthemum stellatum</i>	Asparagaceae
<i>Aralia nudicaulis</i>	Araliaceae
<i>Rosa canina</i>	Rosaceae
<i>Geranium viscosissimum</i>	Geraniaceae
<i>Camelina microcarpa</i>	Brassicaceae
<i>Rubus idaeus</i>	Rosaceae
<i>Fritillaria affinis</i>	Liliaceae
<i>Rumex acetosella</i>	Polygonaceae
<i>Plantago patagonica</i>	Plantaginaceae
<i>Viola canadensis</i>	Violaceae
<i>Euphorbia esula</i>	Euphorbiaceae
<i>Veronica serpyllifolia</i>	Plantaginaceae
<i>Sisymbrium loeselii</i>	Brassicaceae
<i>Linum lewisii</i>	Linaceae
<i>Crepis atribarba</i>	Asteraceae
<i>Moehringia laterifolia</i>	Caryophyllaceae
<i>Linaria genistifolia</i>	Plantaginaceae

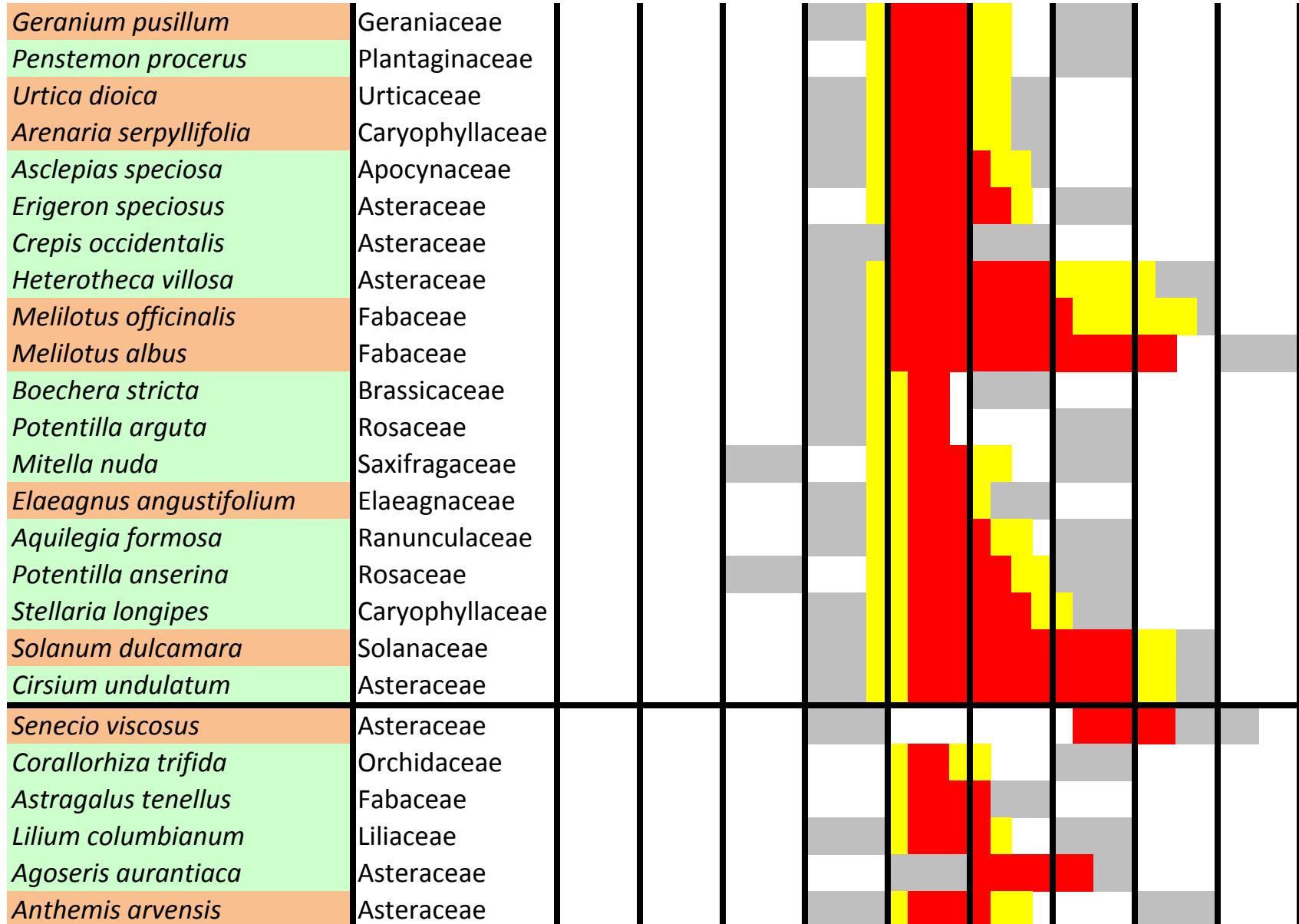


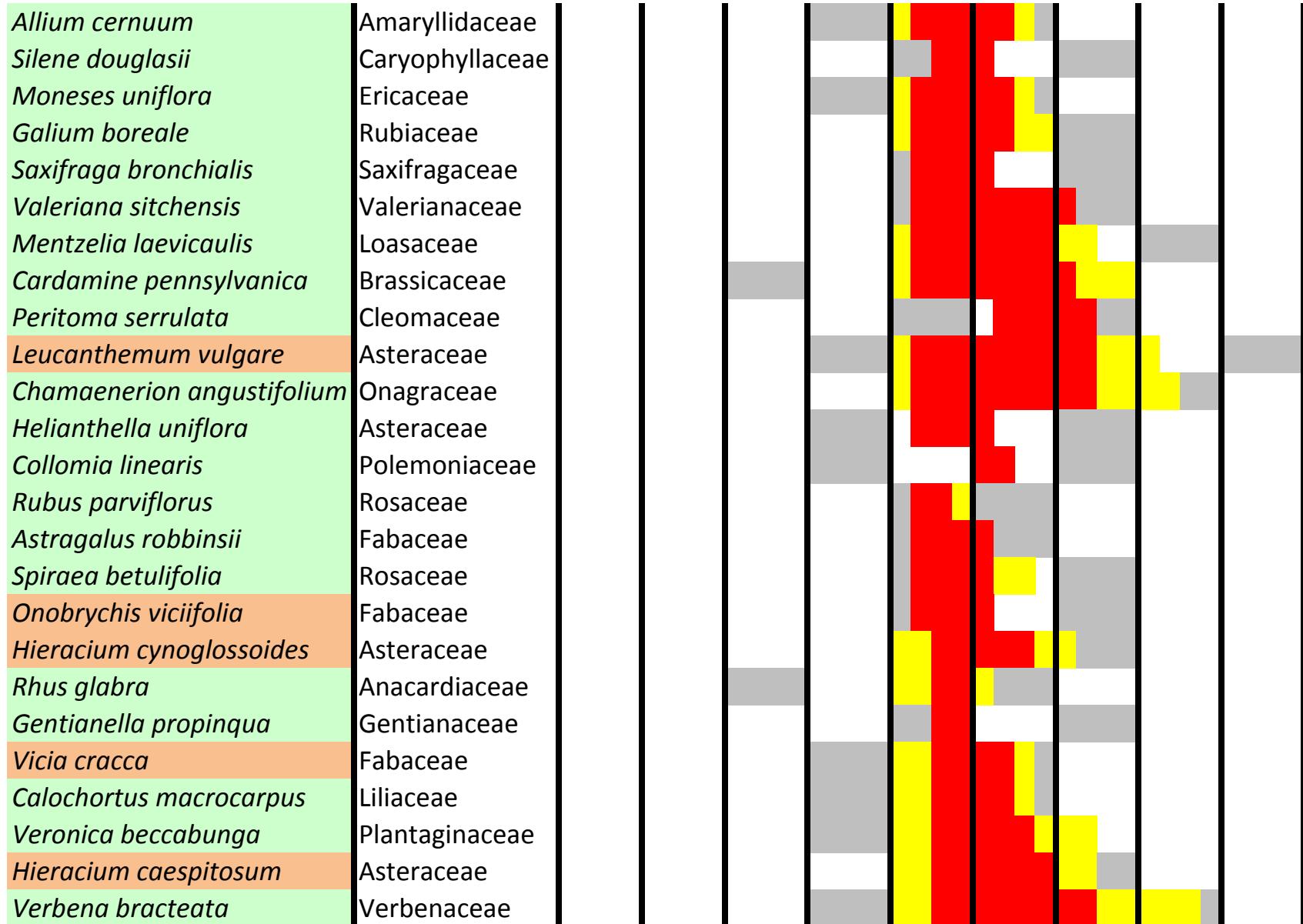
<i>Silene latifolia</i>	Caryophyllaceae
<i>Astragalus miser</i>	Fabaceae
<i>Berteroa incana</i>	Brassicaceae
<i>Trifolium repens</i>	Fabaceae
<i>Gaillardia aristata</i>	Asteraceae
<i>Erigeron divergens</i>	Asteraceae
<i>Phemeranthus sediformis</i>	Montiaceae
<i>Ribes lacustre</i>	Grossulariaceae
<i>Viola tricolor</i>	Violaceae
<i>Trifolium hybridum</i>	Fabaceae
<i>Asparagus officinalis</i>	Asparagaceae
<i>Erysimum inconspicuum</i>	Brassicaceae
<i>Artemisia michauxiana</i>	Asteraceae
<i>Opuntia fragilis</i>	Cactaceae
<i>Rosa acicularis</i>	Rosaceae
<i>Lonicera ciliosa</i>	Caprifoliaceae
<i>Lonicera periclymenum</i>	Caprifoliaceae
<i>Tragopogon dubius</i>	Asteraceae
<i>Toxicodendron radicans</i>	Anacardiaceae
<i>Centaurea cyanus</i>	Asteraceae
<i>Potentilla recta</i>	Rosaceae
<i>Orobanche fasciculata</i>	Orobanchaceae
<i>Crepis tectorum</i>	Asteraceae
<i>Cornus canadensis</i>	Cornaceae
<i>Eriogonum heracleoides</i>	Polygonaceae



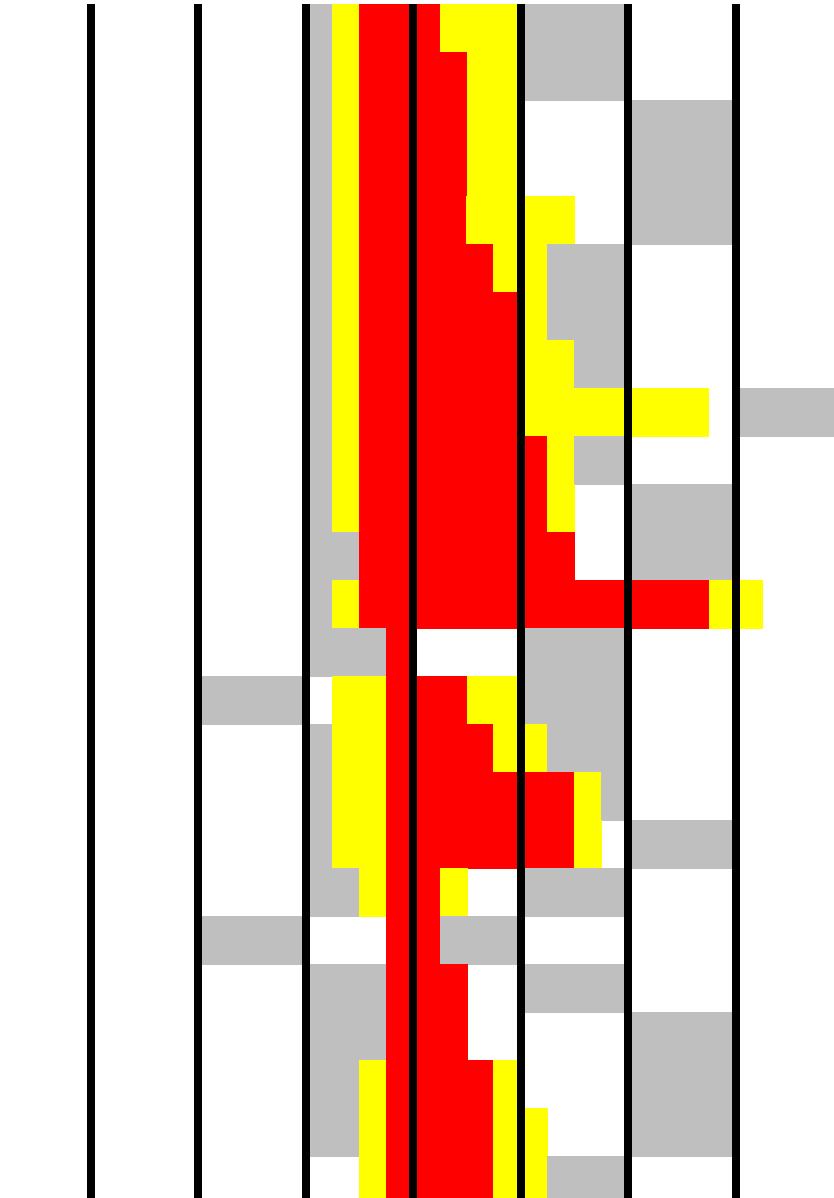
<i>Streptopus amplexifolius</i>	Liliaceae
<i>Anemone multifida</i>	Ranunculaceae
<i>Agoseris glauca</i>	Asteraceae
<i>Geum aleppicum</i>	Rosaceae
<i>Senecio integerrimus</i>	Asteraceae
<i>Potentilla biennis</i>	Rosaceae
<i>Medicago lupulina</i>	Fabaceae
<i>Lappula squarrosa</i>	Boraginaceae
<i>Viburnum edule</i>	Adoxaceae
<i>Potentilla pensylvanica</i>	Rosaceae
<i>Ranunculus uncinatus</i>	Ranunculaceae
<i>Lathyrus ochroleucus</i>	Fabaceae
<i>Vicia americana</i>	Fabaceae
<i>Asperugo procumbens</i>	Boraginaceae
<i>Sedum lanceolatum</i>	Crassulaceae
<i>Symporicarpos albus</i>	Caprifoliaceae
<i>Matricaria discoidea</i>	Asteraceae
<i>Clintonia uniflora</i>	Liliaceae
<i>Cypripedium montanum</i>	Orchidaceae
<i>Corallorrhiza maculata</i>	Orchidaceae
<i>Iris missouriensis</i>	Iridaceae
<i>Ranunculus acris</i>	Ranunculaceae
<i>Sambucus nigra</i>	Adoxaceae
<i>Potentilla norwegica</i>	Rosaceae
<i>Lotus denticulatus</i>	Fabaceae



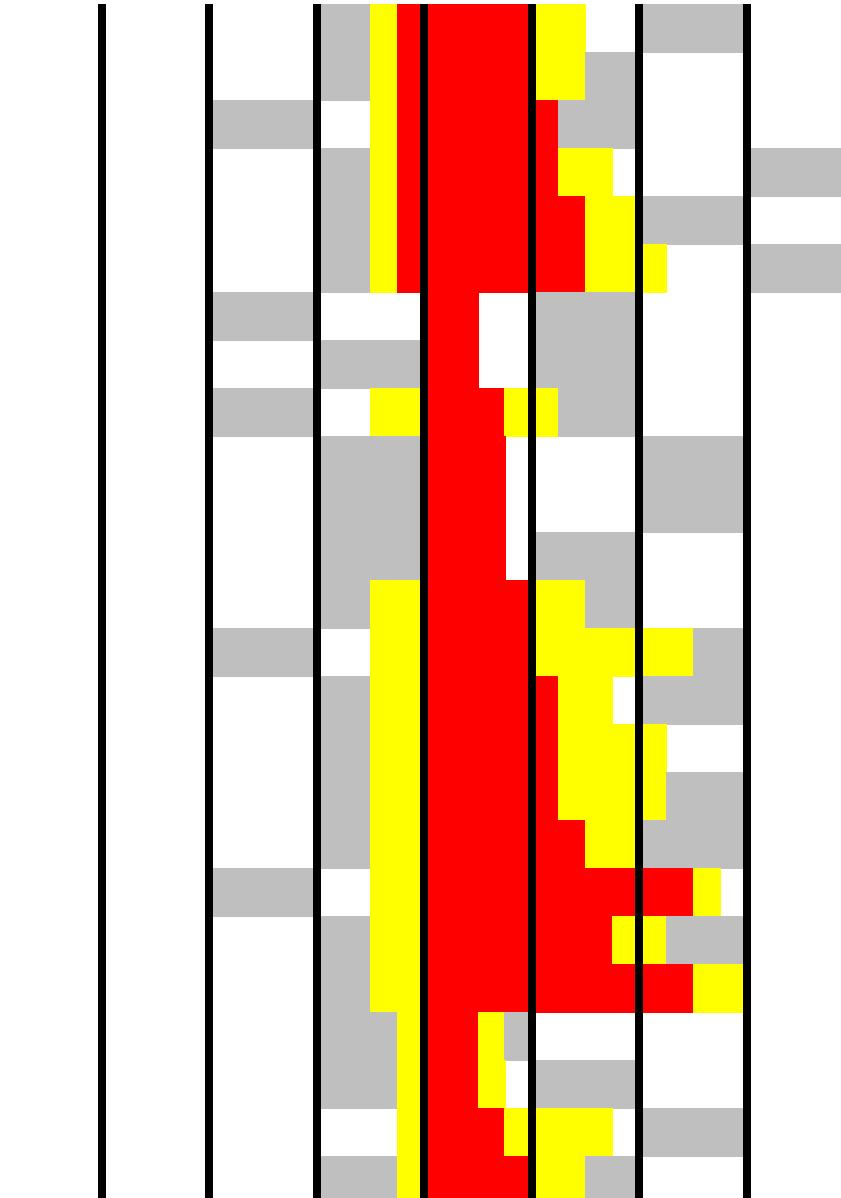


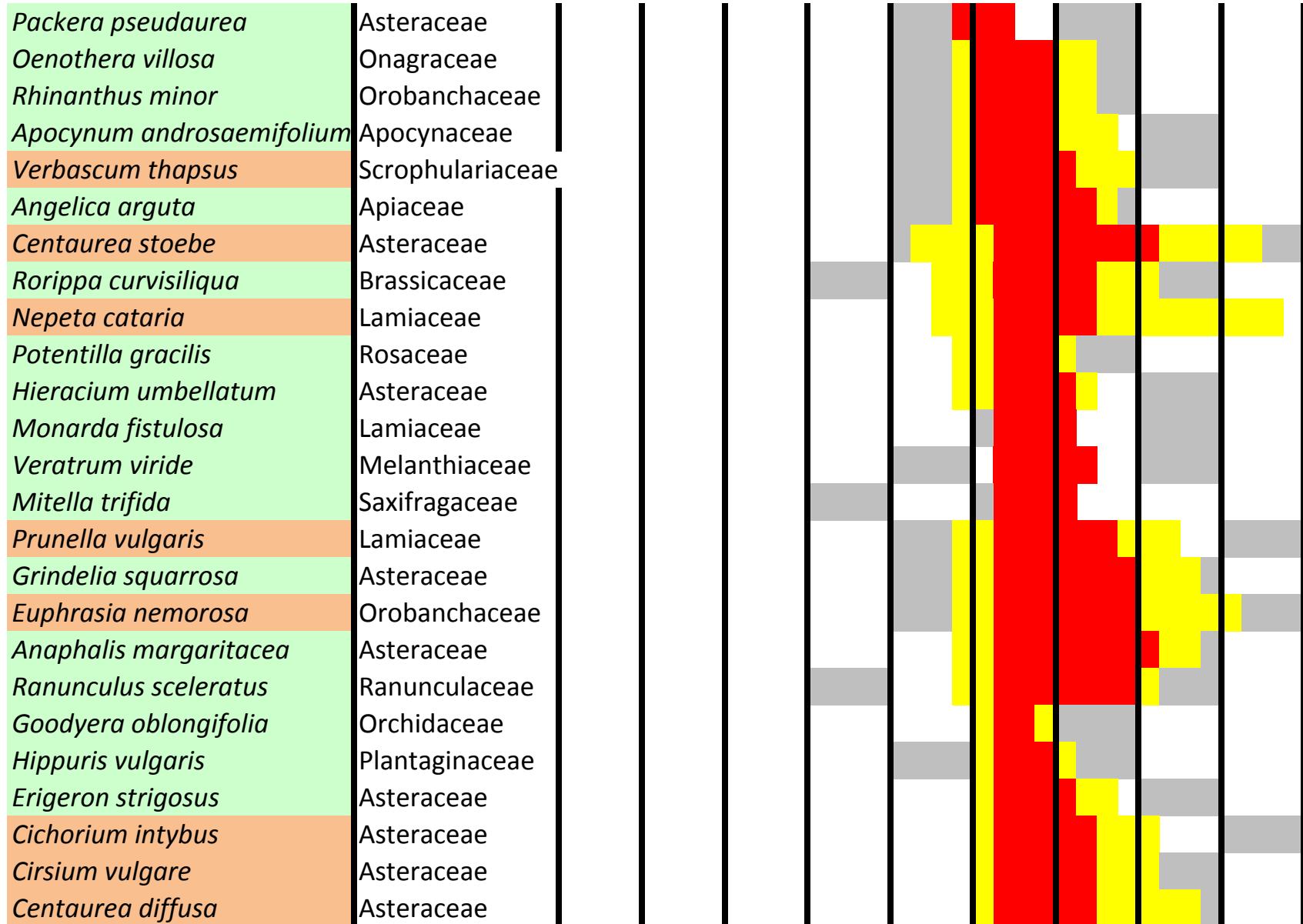


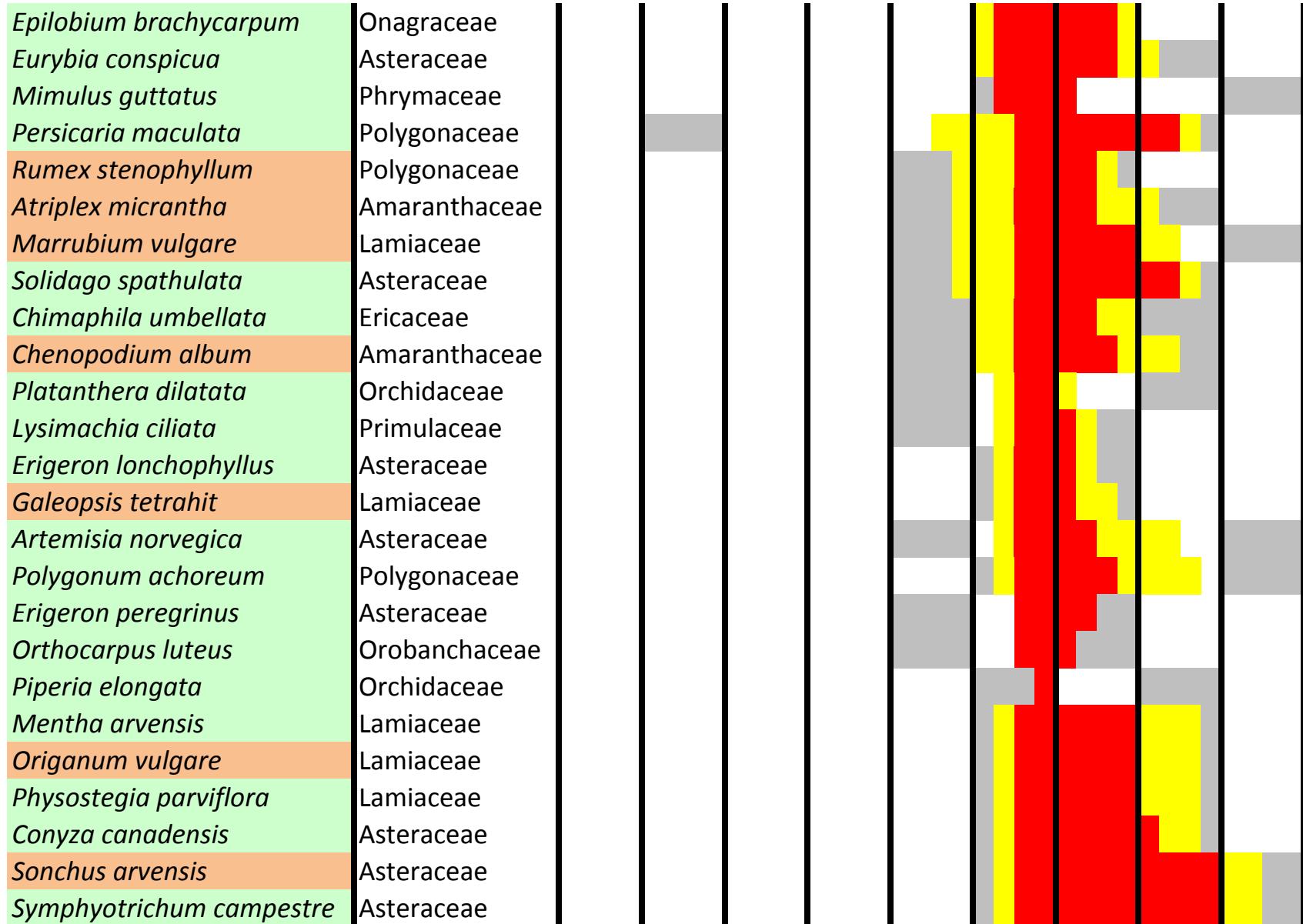
<i>Sedum acre</i>	Crassulaceae
<i>Conium maculatum</i>	Apiaceae
<i>Campanula rotundifolia</i>	Campanulaceae
<i>Linnaea borealis</i>	Caprifoliaceae
<i>Linaria vulgaris</i>	Plantaginaceae
<i>Pedicularis racemosa</i>	Orobanchaceae
<i>Heracleum maximum</i>	Apiaceae
<i>Gypsophila paniculata</i>	Caryophyllaceae
<i>Medicago sativa</i>	Fabaceae
<i>Orthilia secunda</i>	Ericaceae
<i>Pyrola asarifolia</i>	Ericaceae
<i>Eriogonum umbellatum</i>	Polygonaceae
<i>Lupinus arcticus</i>	Fabaceae
<i>Microgilia minutiflora</i>	Polemoniaceae
<i>Stellaria borealis / calycantha</i>	Caryophyllaceae
<i>Hypericum perforatum</i>	Hypericaceae
<i>Trifolium pratense</i>	Fabaceae
<i>Pyrola chlorantha</i>	Ericaceae
<i>Platanthera aquilonis</i>	Orchidaceae
<i>Malva moschata</i>	Malvaceae
<i>Pyrola minor</i>	Ericaceae
<i>Alisma triviale</i>	Alismataceae
<i>Apocynum cannabinum</i>	Apocynaceae
<i>Tetradymia canescens</i>	Asteraceae
<i>Cirsium hookerianum</i>	Asteraceae

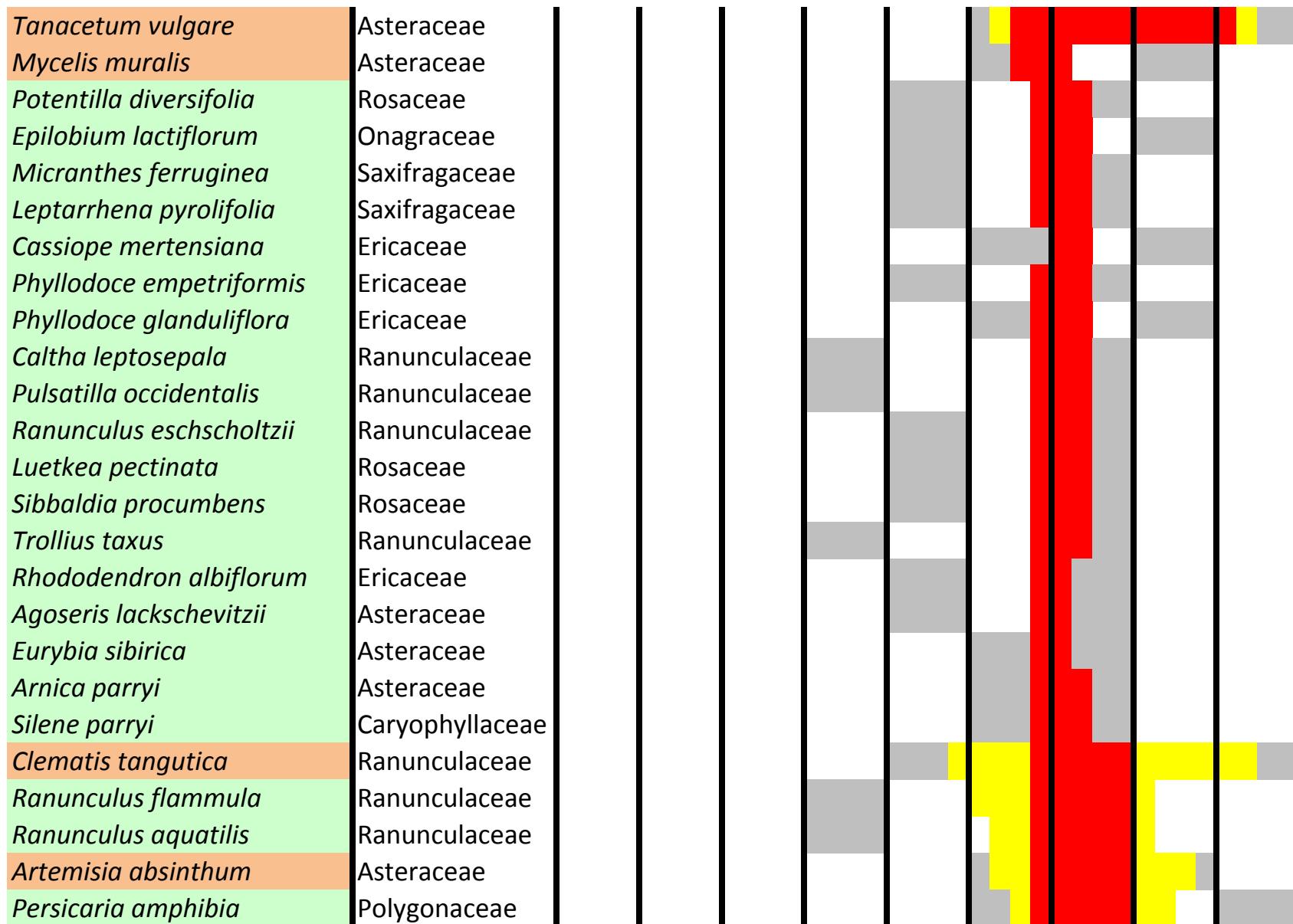


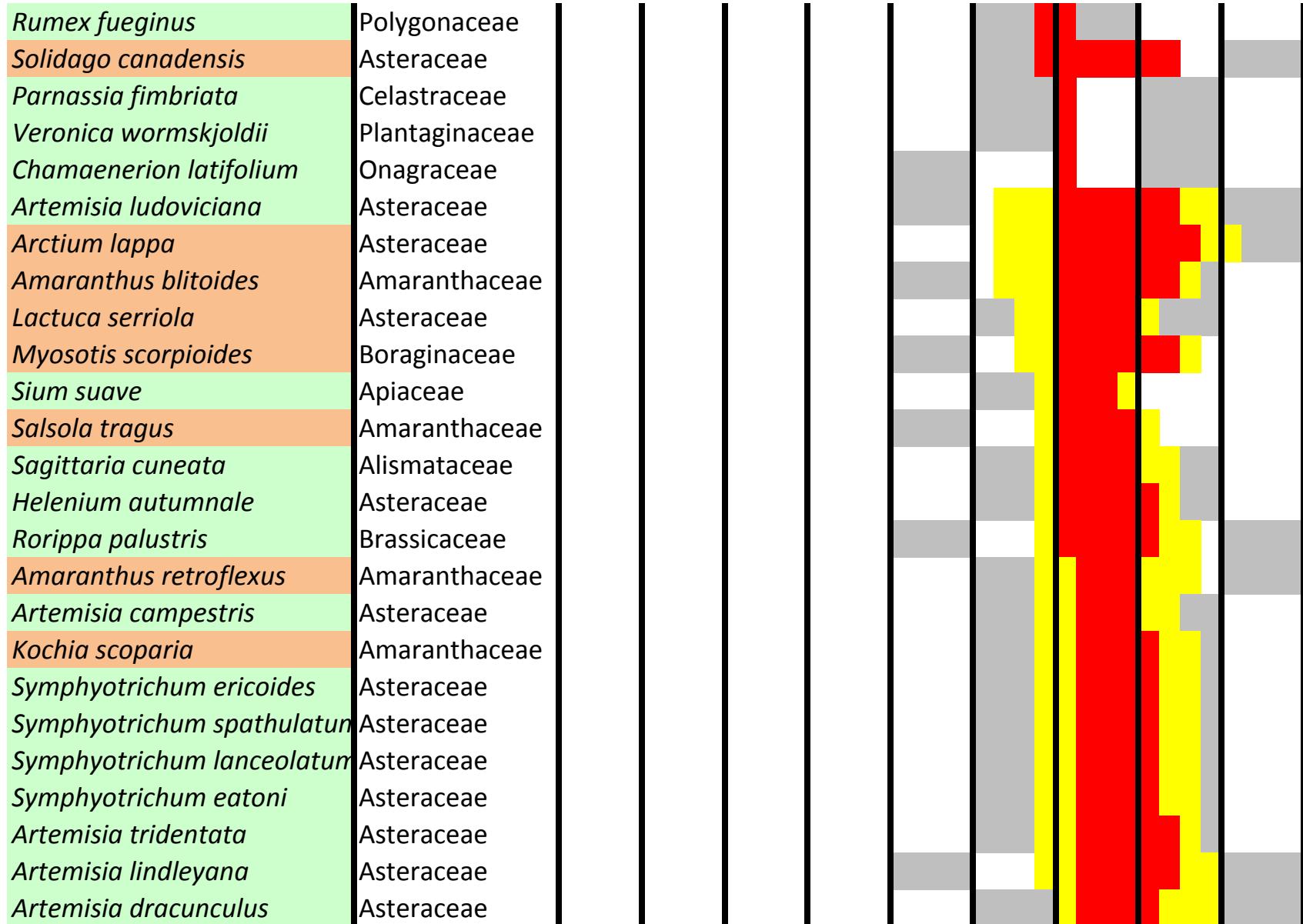
<i>Gentianella amarella</i>	Gentianaceae
<i>Hieracium albiflorum</i>	Asteraceae
<i>Polemonium pulcherrimum</i>	Polemoniaceae
<i>Carduus nutans</i>	Asteraceae
<i>Geum macrophyllum</i>	Rosaceae
<i>Cirsium arvense</i>	Asteraceae
<i>Tiarella trifoliata</i>	Saxifragaceae
<i>Genista tinctoria</i>	Fabaceae
<i>Halerpestes cymalaria</i>	Ranunculaceae
<i>Trifolium aureum</i>	Fabaceae
<i>Gypsophila scorzonerifolia</i>	Caryophyllaceae
<i>Hieracium aurantiacum</i>	Asteraceae
<i>Epilobium ciliatum</i>	Onagraceae
<i>Portulaca oleracea</i>	Portulacaceae
<i>Acroptilon repens</i>	Asteraceae
<i>Coronilla varia</i>	Fabaceae
<i>Senecio triangularis</i>	Asteraceae
<i>Mulgedium pulchellum</i>	Asteraceae
<i>Polygonum majus</i>	Polygonaceae
<i>Clematis ligusticifolia</i>	Ranunculaceae
<i>Stephanomeria tenuifolia</i>	Asteraceae
<i>Platanthera obtusata</i>	Orchidaceae
<i>Piperia unalaschensis</i>	Orchidaceae
<i>Logfia (Filago) arvensis</i>	Asteraceae
<i>Pedicularis bracteosa</i>	Orobanchaceae

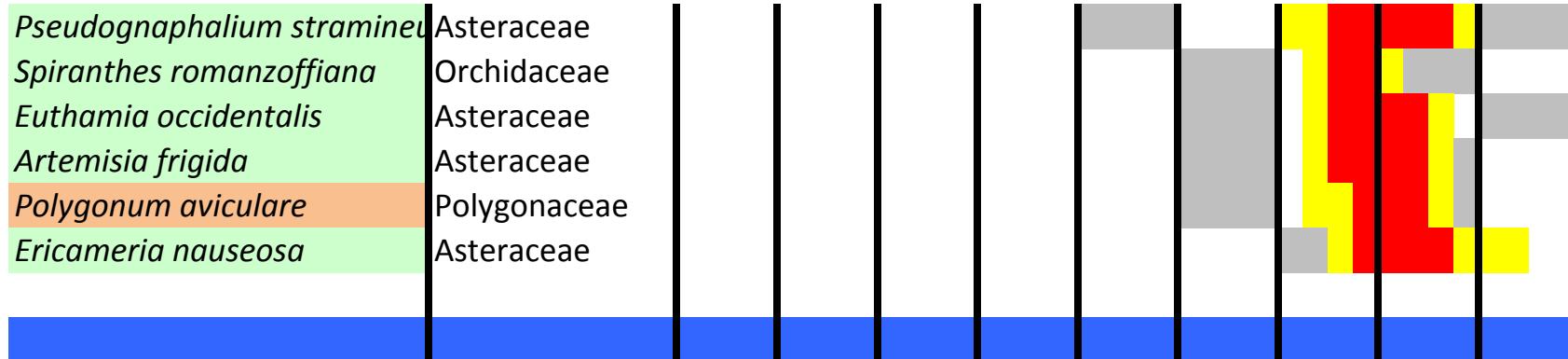












	main local flowering period; pers. obs., subject to revision
	early and late individuals; pers. obs., subject to revision
	published species flowering limits

Species sequence by, first,

1. the onset of their **main** local flowering, then by
2. the onset of **early** local flowering, then by
3. the end of the **main** local flowering

	# species	N	E	%N	%E
Group 1 spp. begin flowering before end-April	111	88	23	79	21
Rows 2-112					
Group 2 spp. start flowering after end-April	106	73	33	69	31
Rows 113-218					
but before end-May					
Group 3 spp. start flowering after end of May	187	134	53	72	28
Rows 219-405					
	404	295	109	73	27

