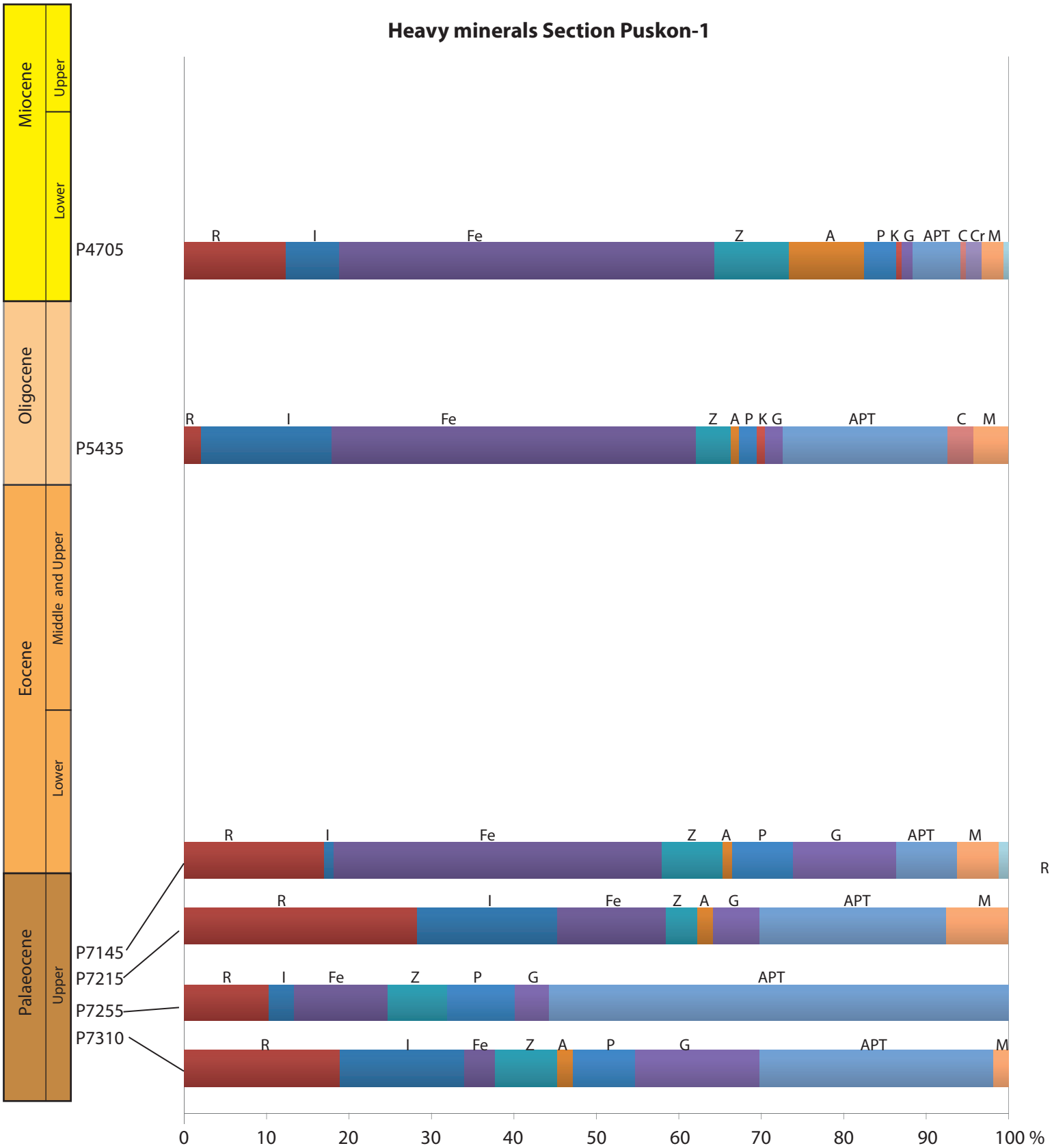


R Rutile, Anatase, Brookite, Leucoxene

I Ilmenite, Ti-magnetite

S Sphene, Perovskite

Fe Magnetite, Hematite, Goethite, Siderite

Z Zircon

A Apatite, Monazite, Vivianite

P Pyrite, Sphalerite, Chalcopyrite

K Sillimanite, Andalusite, Kyanite, Topaz, Beryl, Spodumene

E Epidote

G Staurolite, Garnet (Almandine-Pyrope)

O Olivine

An Andradite (garnet)

APT Amphibole, Pyroxene, Tourmaline

C Corundum

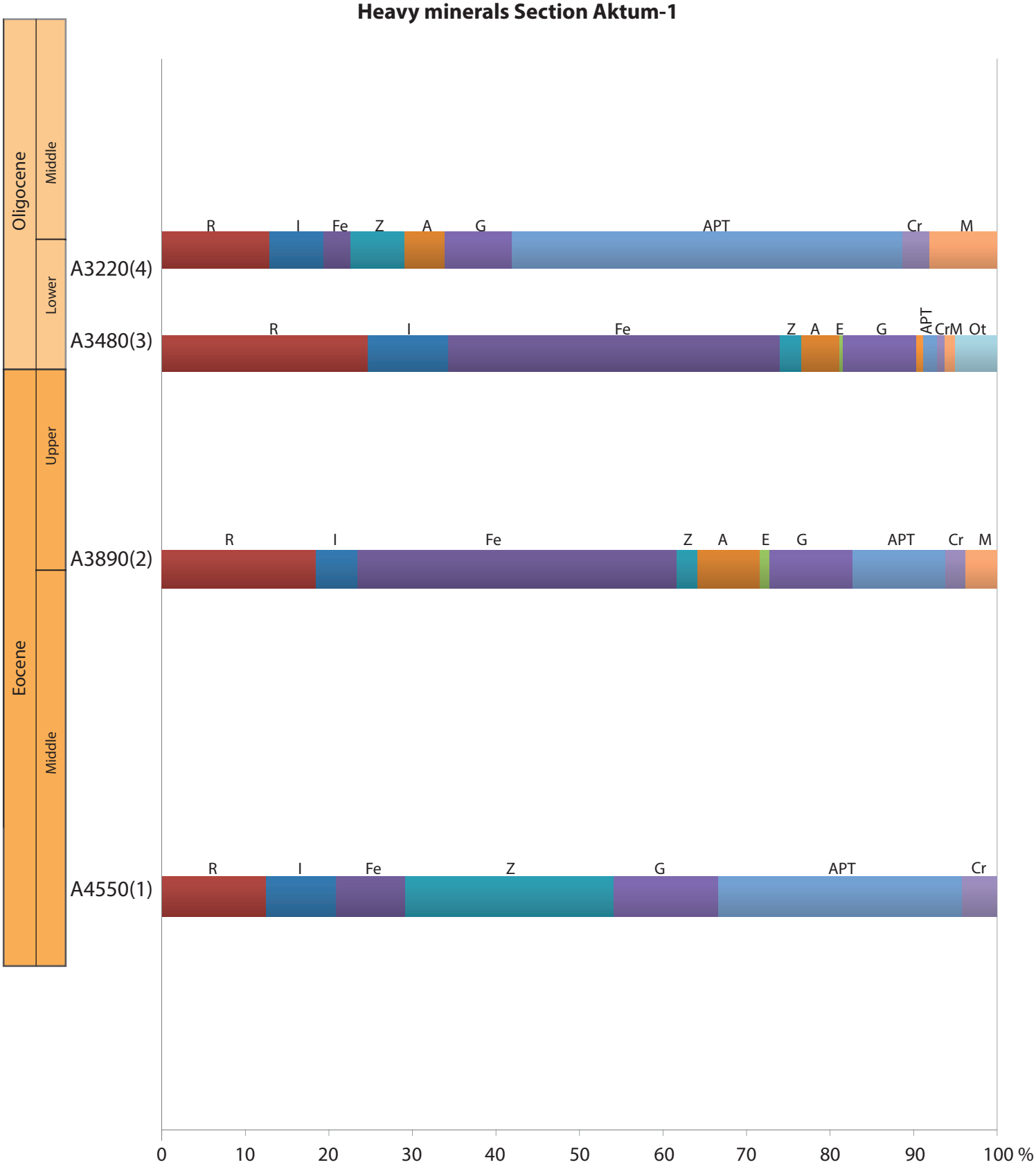
Sp Spinel

Cr Cr-spinel

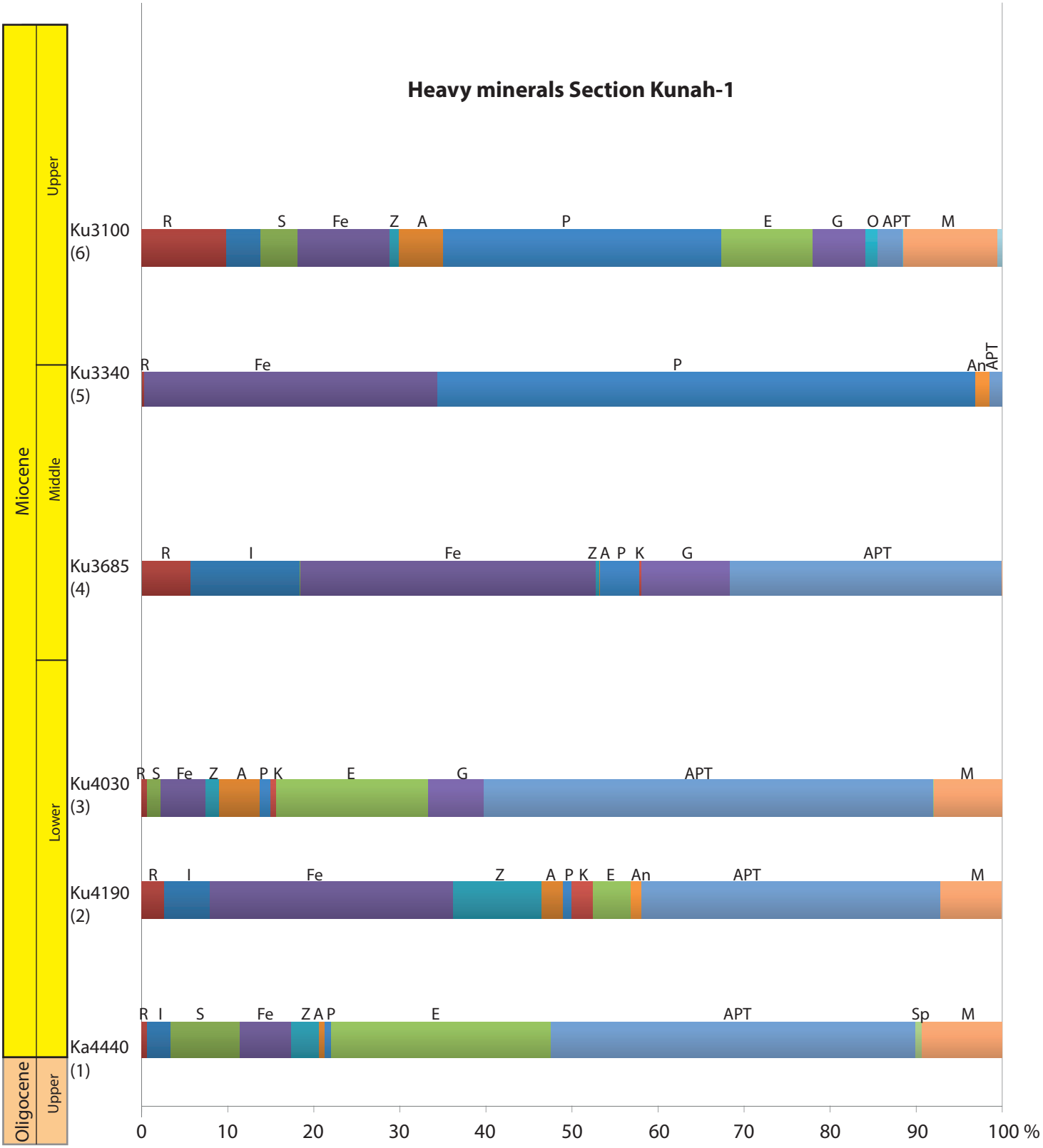
M 10-A phyllsilicate group

Ot Other Minerals

Heavy minerals Section Aktum-1



R Rutile, Anatase, Brookite, Leucoxene	I Ilmenite, Ti-magnetite	S Sphene, Perovskite	Fe Magnetite, Hematite, Goethite, Siderite
Z Zircon	A Apatite, Monazite, Vivianite	P Pyrite, Sphalerite, Chalcopyrite	K Sillimanite, Andalusite, Kyanite, Topaz, Beryl, Spodumene
E Epidote	G Staurolite, Garnet (Almandine-Pyrope)	O Olivine	An Andradite (garnet)
APT Amphibole, Pyroxene, Tourmaline	C Corundum	Sp Spinel	Cr Cr-spinel
M 10-A phyllsilicate group	Ot Other Minerals		



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Sp Spinel

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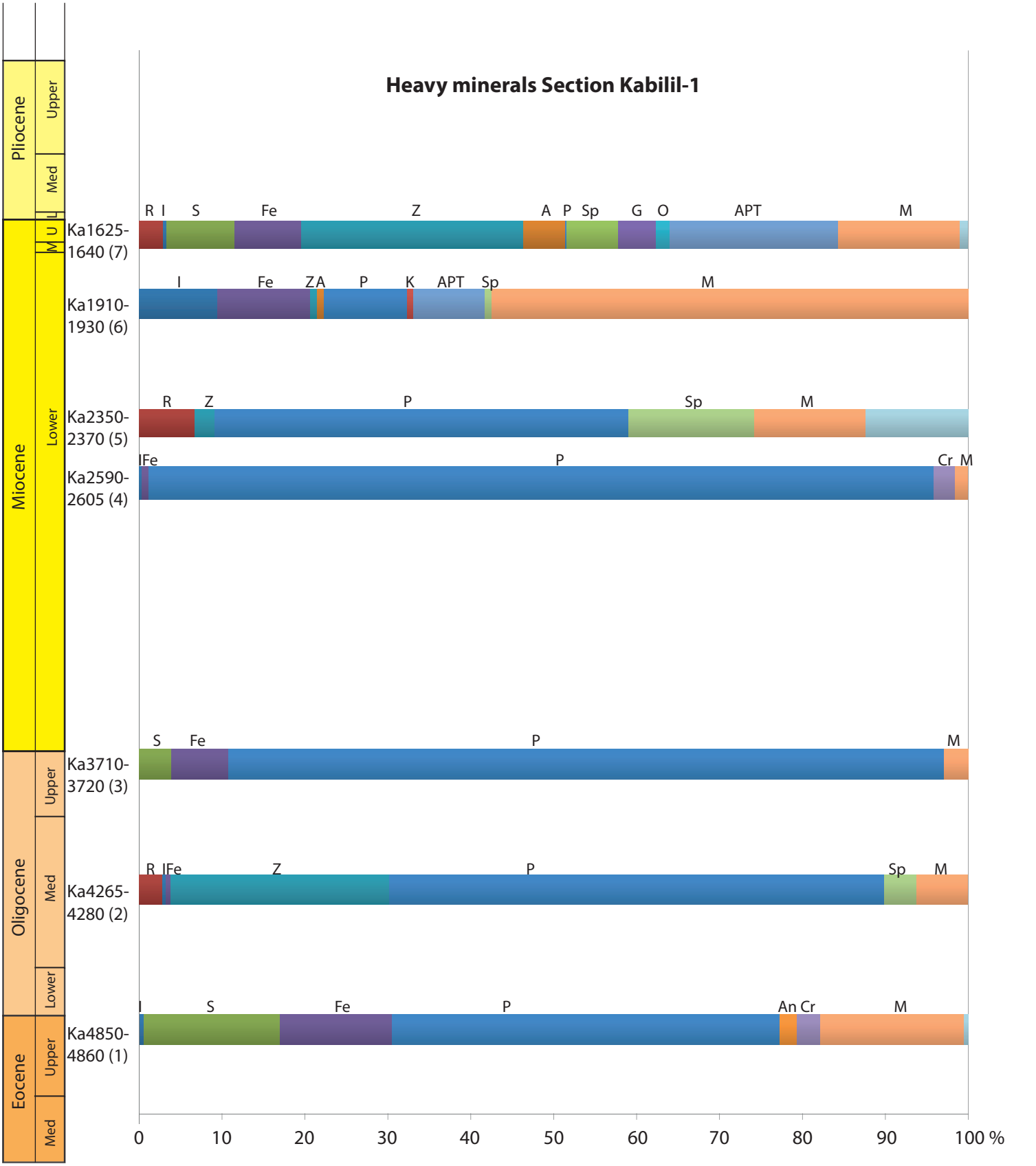
M 10-A phyllsilicate group

Ot Other Minerals


Heavy minerals Section Kabilil-1
Pliocene
Upper
Med
Miocene
Lower
Oligocene
Upper
Med
Lower
Eocene
Upper
Med
Ka1625-1640 (7)
Ka1910-1930 (6)
Ka2350-2370 (5)
Ka2590-2605 (4)
Ka3710-3720 (3)
Ka4265-4280 (2)
Ka4850-4860 (1)
R I S Fe Z A P Sp G O APT M
I Fe Z A P K APT Sp M
R Z P Sp M
IFe P Cr M
S Fe P M
R IFe Z P Sp M
I S Fe P An Cr M
0 10 20 30 40 50 60 70 80 90 100 %
R Rutile, Anatase, Brookite, Leucoxene
I Ilmenite, Ti-magnetite
S Sphene, Perovskite
Fe Magnetite, Hematite, Goethite, Siderite
Z Zircon
A Apatite, Monazite, Vivianite
P Pyrite, Sphalerite, Chalcopyrite
K Sillimanite, Andalusite, Kyanite, Topaz, Beryl, Spodumene
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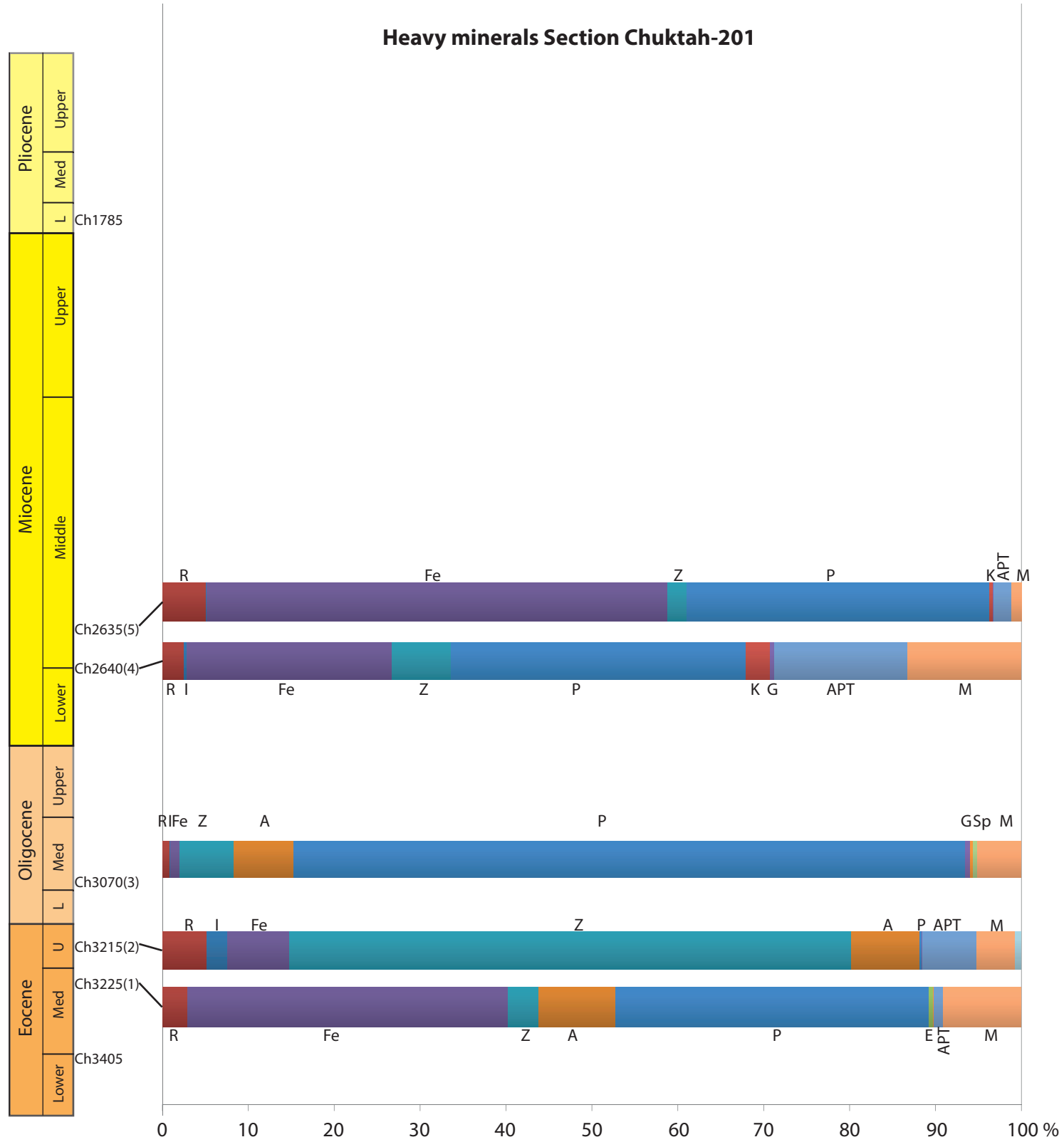

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