



**Figure 3.** Mallik 5L-38 well palynomorphs recorded in kerogen and +180 µm fractions from cutting samples of 105 m to 900 m depth, and from coal core samples from 940 m to 1082 m depth. Palynomorphs are plotted alphabetically and by relative abundance and by group. Blue represents the kerogen fraction and coal core samples (analyst 'JMW'). Green represents oxidized preparations of the +180 µm fraction from 450 m to 900 m (analyst "Fract"), that are plotted 3.66 m below their true depth. This relative abundance plot presents the occurrences of taxa along with the qualifiers, '?', to denote questioned identifications. 'Unknown spp.' comprises specimens the morphology of which is unclear. Unknowns that are more distinctive or noteworthy are designated by a pseudogenus pseudospecies name (White, 2009); i.e. Mallik5L-38 unknown 01, 02...,etc.