Nematode Morphological dataset Nematode 18S rRNA dataset (a) (d) Family Family Compacted Uncompacted Compacted Uncompacted Actinolaimidae Aphelenchidae ccs CHA NGR HLC OWL RIP Anguinidae CHA CSS NGR HLC OWL RIP 100% Aporcelaimidae Aphelenchidae 100% Aphelenchoididae Axonolaimidae 13 % 10 % Aporcelaimidae Cephalobidae Belondiridae Chromadoria fam. 75% Cephalobidae 75% Comesomatidae 7 % 13 % Dolichodoridae 13 % Dolichodoridae Dorylaimidae Dorylaimida fam. 23 % 6 13 % Leptonchidae Dorylaimina fam. Meloidogynidae 50% 50% -Monhysteridae Dorylaimoidea fami Nygolaimidae Enoplia fam. Panagrolaimidae Enoplida fam. Plectidae Monhysteridae 25% Qudsianematidae Panagrolaimidae Rhabditidae Trischistomatidae Plectidae Tylenchidae Qudsianematidae Tylencholaimidae Tylenchidae Unknown (b) (e) Genus Acrobeles 100% Acrobeloides Genus Aphelenchoides Aphelenchus Acrobeles Enoplida gen. **Abundance** Relative Abundance Aporcelaimellus Eumonhystera Acrobeloides 75% Aporcella Aphelenchus Filenchus Cervidellus Aporcelaimellus Geomonhystera Chiloplacus 10 % Axonolaimidae gen. Panagrolaimus Crassolabium Ditylenchus Cephalobidae gen. Plectidae gen. Relative 50% 13 % Filenchus Plectus Chromadoria gen. Merlinius Dolichodoridae gen. Qudsianematidae gen. 13 % Mesorhabditis Sabatieria Dorylaimida gen. Panagrolaimus 5 % Dorylaimina gen. Tylenchidae gen. Paraphelenchus 25% Dorylaimoidea gen. Tylocephalus 33 % Plectus Enoplia gen Tylenchus Tylocephalus Others (c)_{100%} (f) 100% 75% 75% Feeding group **Feeding Group** Bacterivores Bacterivores Fungivores Fungivores Herbivores 50% 50% -Omnivores Herbivores Predator Omnivores Unknown Unknown 25% 10 % 25% 13 % 02 08 07 16 17 18 01 03 13 14 15 07 09 10 13 09 Site