APPENDIX 2, PART 1

Counts of benthic foraminifers, Site 689, Recent-Eocene

| Depth (mbsf) | Abyssamina quadrata | Agglutinoides, other | Alabamina dentata | Allomorphina trigona | Astrorhiza crassatina | Astrorhizinae variform | Anomalina ammonoides | Anomalinoides acutus | Anomalinoides pseudogrosserugosus | Anomalinoides semicribratus | Aragonia aragonensis | Astrononion pusillum | Astrononion umbilicatulum | Bigenerina nodosaria | Bolivina decussata | Bolivina hustedti | Bolivina pseudopunctata | B. sp. aff. hustedt | Bolivina tenuistriata | Bolivina cf. semicornuta | Bolivina elongata | Bulimina macilentia | Bulimina microcostata | Bulimina ovata | Bulimina semicostata | Bulimina simplex | Bulimina thanetensis | Bulimina tristriatensis | Bulimina velascoensis | Bulimina beaumontii | Buliminella grata | Cassidulina spp. | Chilostomella ovoidea | Cibicides lobatulus | Cibicides variabilis | Cibicides kasanensis | Cibicides mundulus | Cibicides perlucidus | Cibicides pseudoungerianus | Cibicides rubrorotunda | Cibicides truncatorotundus | Cibicides wuellerstorfi | Eggerella bradyi | Elphidella sandebjerensis | Eponidella gracilis | Epistomiella exigua | Epistomiella sp. | Epistomina ranulobus | Fissurina advena | Fursenkoina bradyi | Fursenkoina fusiformis | Fursenkoina sp., regular | Fursenkoina sp., thin | Gaudryina laevigata | Globocassidulina subglobosa | Globocassidulina oveata | Gravellina nairversis | Gyroidinoides aciculus | Gyroidinoides depressus | Gyroidinoides girardanus | Gyroidinoides lamarckianus | Gyroidinoides mediocrus | Gyroidinoides pilanulata | Gyroidinoides soldanii | Hanzawaia ammophila | Hoeglundina elegantissima | Karreriella bradyi | Karreriella sp., Tjalsma and Lohmann | Karreriella subglobosa | Laevicuvillierina spp. | Marginulinopsis spp. | Melonis sphaeroides | Nonion havanense | Nonionella labradorica | Nonionella miocenica | Nonionella sp., high | Nuttallides sp., high | Nuttallides truncatulinoides | Nuttallides rosanjiyi | Oridorsalis umbonatus | Oridorsalis umbonatus | Osangularia cordieriana | Osangularia navarroana | Osangularia velascoensis | Pleurostomella spp. | Pleurostomella spp. | Pleurostomella, other | Polymorphinids | Pseudobulimina cushmani | Pseudoglandulina sp. | Pullenia coryell | Pullenia jarvisi | Pullenia quinqueloba | Quadrimorphina allomorphinoides | Quadrimorphina oregonensis | Quadrimorphina profunda | Quinqueloculina sp. | Ramulina aculeata | Recubuloides cayeuxiformis | Reussella spinulosa | Rotaliatina bulimoides | Rotorbinella sp. | Sigmomorphina sp. | Siphogenerinoides bononiensis | Siphogenerinoides aff. bononiensis | Spiroplectammina annectens | Spiroplectammina dentata | Spiroplectammina spectabilis | Spiroplectammina aff. spectabilis | Stilostomella aculeata | Stilostomella sp., smooth | Stilostomella subspinosa | Tappanina eocenica | Tappanina subnodosa | Textularia adamsoni | Trifarina bradyi | Trochammina globigeriniformis | Uvigerina peregrina group | Valvulineria laevigata | Valvulina advena | Valvulina mexicana | Valvulina spinosa |
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APPENDIX 2, PART 3

Counts of benthic foraminifers, Site 690, Recent–Eocene

| Depth (mbsf) | *Alyssamina poeyi* | *Alyssamina quadrata* | Agglutinatus, other | *Allomorphina trigona* | *Astacolodes excisus* | *Astacolodes pseudogouroungensis* | *Astacolodes semicribratus* | *Astacolodes spinifimbria* | *Astacolodes* spp. | *Astrononion gallowayi* | *Astrononion pusillum* | *Bigenerina nodosaria* | *Bolivina decussata* | *Bolivina hustedt* | *Bolivinoides sp. aff. delicatulus* | *Bolivinoides decussata* | *Bolivinoides draco* | *Bolivinoides draco miliora* | *Bolivinoides targaryen* | *Bolivinoides sp. aff. delicatulus* | *Buliminella elongata* | *Buliminella macilenta* | *Buliminella microcostata* | *Buliminella subperuviana* | *Buliminella ovula* | *Buliminella semicostata* | *Buliminella simplex* | *Buliminella thomensis* | *Buliminella tristriatensis* | *Buliminella beaumonti* | *Buliminella gracilis* | *Cassidulina* spp. | *Cassidulina* spp., small | *Cassidulina subglobosa* | *Chilostomella oolina* | *Chilostomella ovoidea* | *Chilostomella* spp. | *Chilostomella czizekana* | *Cibicides mundulus* | *Cibicides perlucidus* | *Cibicides praemundulus* | *Cibicides pseudoungerianus* | *Cibicides robertsonianus* | *Cibicides* spp. | *Cibicides subspinosus* | *Cibicides truncatulinoides* | *Cibicides wuellerstorfi* | *Cibicorbitina subfamiliaspira* | *Cyclammina cancellata* | *Eggerella bradyi* | *Elphidium weddellensis* | *Eponides repandus* | *Eponides tumidulus* | *Fissurina* spp. | *Fursenkoina antarctica* | *Fursenkoina fusiformis* | *Fursenkoina* sp. | *Fursenkoina bradyi* | *Fursenkoina dorsal* | *Fursenkoina fusiformis* | *Fursenkoina* sp., regular | *Fursenkoina* sp., thin | *Guttulina lacrigena* | *Guttulina pyrumidata* | *Globimorphina* sp. | *Globocassidulina subglobosa* | *Globocassidulina crassa* | *Globulina notovensis* | *Gyroidinoides antarctica* | *Gyroidinoides* spp. | *Gyroidinoides depressus* | *Gyroidinoides gaudeamus* | *Gyroidinoides lamarckianus* | *Gyroidinoides maidensis* | *Gyroidinoides planulatus* | *Gyroidinoides soldanii* | *Hanzawaia ammophila* | *Heterolepa* spp. | *Hirsutina* *Hanzawaia* | *Karreriella bradyi* | *Karreriella subglabra* | *Laticarinina pauperata* | *Lenticulina* spp. | *Marginulina* spp. | *Melonis sphaeroides* | *Nonionella iridea* | *Nonionella labradorica* | *Nonionella turgida* | *Nonion depressum* | *Nonion* *Astacolodes* | *Nonion hawanense* | *Nonionella iridea* | *Nonionella labradorica* | *Nonionella turgida* | *Nuttallides rubrum* | *Nuttallides umbonifera* | *Oridorsalis umbonatus* | *Osangularia cordieriana* | *Osangularia novozealandica* | *Osangularia velascoensis* | *Pullenia* sp. | *Pleurostomella* spp. | *Pleurostomellids, other* | *Polymorphinids* | *Pseudobulimina cornuspiae* | *Pseudoparrella* sp. | *Pseudoparrella* sp. | *Pullenia bulloides* | *Pullenia jarvisi* | *Pullenia quadriloba* | *Pullenia quinqueloba* | *Pullenia sabulosa* | *Pullenia subconstricta* | *Pullenia osloensis* | *Pullenia rudis* | *Pullenia subcarinata* | *Pyrgo* spp. | *Quadrimorphina allomorphinoides* | *Quadrimorphina profunda* | *Quinqueloculina* spp. | *Reussella spinulosa* | *Rhizammina* sp. | *Sigmoilina tenuis* | *Sphaeroidinella dehiscens* | *Sphaeroidinella dehiscens* | *Sphaeroidina bulloides* | *Spiroplectinata* spp. | *Spirillina* | *Spirillina vivipara* | *Spiroloculina* sp. | *Spiroplectammina spectabilis* | *Stainforthia complanata* | *Stilostomella aculeata* | *Stilostomella annulifera* | *Stilostomella consobrina* | *Stilostomella lepidula* | *Stilostomella* sp., smooth | *Stilostomella adolphina* | *Stilostomella verneuilii* | *Tappanina eocenica* | *Tetrataxis alabamensis* | *Thurammina papillata* | *Thurammina* | *Trochammina globigeriniformis* | *Trochammina pyramidal* | *Trochammina* | *Trochammina pyramidal* | *Textularia* | *Textularia elongata* | *Textularia hauerii* | *Textularia rugosa* | *Textularia* | *Textularia* | *Textularia