HydA 2-iq1 -Mesotoga\_sp.\_ToIDC\_WP\_110989927.1@Thermotogae mt Styniella incarcerata ANM95737 1 ella incarcerata ANMoo/3/.1 -Victivaliales bacterium CCUG 44730 WP 106053400.1g(PVC group,Lentisphaerae — Tritrichomonas foetus gb OHS96235.1@Parabasalla Histomonas meleagridis Gene.858 GAAM01000633.1 g.858 m.858@Parabasalla,Tritrichomonadida —Tritrichomonas foetus gb OHD707951.1@Parabasalla nas meleagridis\_Gene.1037\_\_GAAM01000765.1\_\_g.1037\_\_m.1037@Parabasalia,Tritrichomonadida of extTTRif ob OHT17348.1 \_On 117348.1 nas foetus\_gb\_OHT14791.1@Parabasalia —Tritrichomonas foetus, gb. OHT14791.1@Parabasaila.
Histomonas melaegridis, Gene 2211 \_ G.AM01001727.1 \_ g.2271 \_ m.2271@Parabasaila, Tritrichomonadida
Histomonas melaegridis, Gene 803 \_ GAM01000591.1 \_ g.803 \_ m.803@Parabasaila, Tritrichomonadida
Histomonas melaegridis, Gene 803 \_ GAM01000591.1 \_ g.803 \_ m.803@Parabasaila, Tritrichomonadida
tes brevis Gene 11695 \_ gm 15342 \_ a7659 \_ 623 \_ g.11655 \_ m.11658@Exavasta.Porricata, Carpotelemonas-like -Tritrichomonas foetus\_gb\_OHT16021.1@Parabasalia Tritrichomonas foetus gb OHT10208.1@Parabasalia Tritrichomonas foetus gb OHT10068.1@Parabasalia Tritrichomonas foetus gb\_OHS95271.1@Parabasalia
—Tritrichomonas foetus gb\_OHS9523.1@Parabasalia
—Tritrichomonas foetus gb\_OHS95936.1@Parabasalia — Trinfortomous Sout, g. D. (1998)93. (§Prabassia)
— Trinfortomous Sout, g. D. (1998)93. (§Prabassia)
— Trinfortomous Sout, g. D. (1998)93. (§Prabassia)
— Trinfortomous Sout, g. (1998)
— Tri Dysnectes brevis Gene.3688 W Vierial, Prassisalomia CBL02871.1 (Spiciompiasa Capsosilias)

(ENEZP11.6 (Spiciompiasa Capsosilias)

(SECTION CBL02871.6 (Spiciompiasa Capsosilias)

(SECTION CBL02871.6 (Spiciompiasa Capsosilias)

(SECTION CBL02871.6 (Spiciompiasa CBL02871.7 (Spiciompiasa CBL02871.7 (Spiciompiasa CBL02871.6 (S Technicola, digue SAVIRO, XF 00173472 (Byrotobicoa Archamobiae the Control of the Sported balase, COLADAC (Elli Examis Frontian Corpodemons las Colonia (Elli Examis Frontian Corpodemons las Colonia (Elli Examis Frontian Corpodemons las Colonia (Elli Examis Frontian Corpodemons las Corpodemons (Elli Examis Frontian Corpo Kipferlia bialata GCA62452.1@Excavata,Fornicata,Carpediemonas-like Erinaceus\_europaeus\_XP\_007528053.1@Metazoa,Bilateria —Vitrella brassicaformis\_CEM14670.1@Acicomplexa.Coloodellida attamonas nauphoetae BNA18698@Excavata,Preaxost Blattamonas nauphoetae BNA3155@Excavata.Preaxostyla Blattamonas nauphoetae BNA4577@Excavata, Preaxostyla onocercomonoides exilis MONO1240@Oxymonadida, Polymastigidae Combinidas exis \_morvo\_relation\_relation\_polymastigidae

Monocercomonoides exilis\_MONO19381@Oxymonadida,Polymastigidae

Monocercomonoides exilis\_MONO1920@Oxymonadida,Polymastigidae Blattamonas nauphoetae BNA15771@Excavata,Preaxostyla Blattamonas nauphoetae BNA1903@Excavata,Preaxostvia Paratrimastix pyriformis\_g6651.11@Excavata,Preaxostyla Paratrimastix pyriformis\_ABW76118.1@Excavata,Preaxostyla Paratrimastix pyriformis\_g3287.11@Excavata,Preaxostyla Paratrimastix pyriformis\_g6420.11@Excavata,Preaxostyla Trimastix marina Gene 4264 gnl 1345 g424 m 4254@Excavata, Preaxostyla —Spirochaetes bacterium GWB1 27 13 OHD13512.1 Spirochaetes@Spirochaetes Treponema\_caldarium\_WP\_013957702.1 Spirochaetes@Spirochaetes nema brennaborense WP 013759425.1 Spirochaetes@Spirochaetes nema\_brennaborense\_WP\_013759425.1\_Spirochaetes@Spirochaetes
Marinlabila sp\_WTE\_WP\_03254825.1\_Bacteroidetes@Bacteroidetes
Bacteroides\_beparinolyticus\_WP\_131926194.1\_Bacteroidetes@Bacteroides\_Comparts\_WP\_038560101.1\_Bacteroidetes@Bacteroidetes\_Marinfilum\_forense\_WP\_1303614627.1\_Bacteroidetes@Bacteroidetes\_Marinfilum\_forense\_WP\_1103614627.1\_Bacteroidetes@Bacteroidetes\_WP\_1303614627.1\_Bacteroidete —Mannifum treve VP; 1103/14621, Bacteroidese@Bacteroidese
100—dasilibaculam filteriors VP; 1103/14621, Bacteroidese@Bacteroidese
100—dasilibaculam filteriors VP; 1103/1471, Bacteroidese@Bacteroidese
100—dasilibaculam filteriors VP; 1103/1460, Bacteroidese@Bacteroidesedese
100—dasilibacus peoplesia VP; 6103/6806.1 Proteoloacteriog@Delaproteoloacterio
100—dasilibacus peoplesia VP; 6103/1471.1 Proteoloacteriors@Delaproteoloacterio
100—dasilibacus peoplesia VP; 6103/1471.1 Proteoloacteriors@Pdephaproteoloacteriors
100—dasilibacus peoplesia VP; 6103/1471.1 Proteoloacteriors.1 Proteoloacteriors.1 Proteoloacteriors.1 Proteoloacteriors.1 Proteoloacteriors.1 Proteoloacteriors.1 Proteoloacteriors.1 Prot — Coopenium g. 5) - 2/ Culculos - Protectional Independence of the Coopenium group group of the Coopenium group of the Coopenium group of the Coopenium group of the Coopenium group group of the Coopenium group gr —Lutispora thermophila WP 073025663.1 Firmicutes@Firmicutes —Proteiniclasticum ruminis WP 031575311.1 Firmicutes@Firmicutes dimicrobium\_xylanilyticum\_WP\_093753005.1 Firmicutes@Firmicutes - tepaimicrocium xylaniyicium (WP 1937/59005.1 )- immoutes@irmicutes
- Clostridium sp. Marselle P-3244 WP 072525693.1 Filmicutes@irmicutes
- Clostridium sp. Marselle P-3244 WP 072525693.1 Filmicutes@irmicutes
sets bacterium GWB1 36 13 OHD12022.1 Spirochaetes@Spirochaetes
thaetae\_bacterium HGW-Spirochaetae-6 PKI.13527.1 Spirochaetes@Spirochaetes —Spirochaetes bacterium (SWC2 52 13 OHD33438.1 Spirochaetes@Spirochaetes
—Sediminispirochaeta smaragdinae WP 013256832.1 Spirochaetes@Spirochaetes
Marispirochaeta sestuarii WP 083051190.1 Spirochaetes@Spirochaetes
uncultured spirochaete SILM13417.1 Spirochaetes@Acidobacteria Tritrichomonas foetus OHT02995.1@Parabasalia stus\_Lokiarchaeota\_archaeon\_RLI64613.1@unclassified