	2nd	4th		
	Modularity 0.762	0.71		
	Natural connectivity 0.009	0.008		
	Number of components 65	88		
ASV639_Weissella ASV34_Lachnospiraceae NK4A136 group	Positive edge percentage 84.091		ASV639_Weissella ASV34_Lachr	nospiraceae NK4A136 group
		0.006		
ASV72_Enter ASV Ct 566_Rothia	Clustering coefficient 0.311	0.369	ASV72_Enter & SVC & 566_Rothia	
	Giastering Cocinolett 0.511	0.303		
ASV84_CAG56 ASV43_Roseburia ASV13_Collinsella			ASV84_CA	G56 ASV43_Roseburia ASV13_Collinsella
ASV94_Rikenellaceae RC9 gut group		ASV94_Rikenellaceae RC9 gut group		
ASV239_Lachnospiraceae FCS020 group			ASV239_Lachnospiraceae FCS0	20 group
ASV2_Agathobacter  ASV9_Dorea				ASV2_Agathobacter ASV9_Dorea
ASV791_Lachnos <mark>pirac</mark> eae NK4B4 group		ASV791_Lachno	ospiraceae NK4B4 group	75 Fusicatenihacter
ASV559, Adlercreutzia  ASV672_[Eubacterium] brachy group  ASV3. Faecalibacterium  ASV3. Faecalibacterium	torques group		ASV559, Adlercreutzia ASV672_[Eubacterium] brachy group  ASV3 Faecal	ASV32_[Ruminococcus] torques group
ASV672_[Eubacterium] brachy group  ASV32_Faecalibacterium  ASV32_Faecalibacterium  ASV33_Coprococcus			ASV672_[Eubacterium] brachy group  ASV672_[Eubacterium] brachy group  ASV33_Coprococcus	
ASV1_Blautia				ASV1_Blautia
ASV1907_Paludicola  ASV41CO_Llabdamania  ASV41CO_Llabdamania	ASV165_Barnesiella	AS		LSubdoligranulum ASV7_[Eubacterium] hallii group ASV165_Barnesiella
ASV1469_Holdemania ASV875_Eggerthella	AOVIOS_Darricsiciia		ASV1469_Holdemania ASV875_Eggerthella	AOVI_[Edbacterium] Haim group AOVIOS_Darriesiena
ASV788 Angerotruncus	ventriosum group		ASV788_Anaerotruncus	ASV201_[Eubacterium] ventriosum group
ASV39_Anaerostipes	ASV28_Parabacteroides			ASV28_Parabacteroides ASV39_Anaerostipes
ASV985_Shuttlev6Sth950_Erysipelatoclostridium			SWOSTINGS 0_Erysipelatoclostridium	
ASV576_[Eubacterium] fissicatena group  ASV12_Bacteroides  ASV4630_[Glostridium] innocuum group	21_Alistipes ASV218_Prevotella	ASV576_[Euk	oacte <mark>rium] fissicatena group</mark> ASSY49 <mark>30⊭[Glostridium]</mark> innocuum group	ASV12 Bacteroides ASV218 Prevotella
ASV1635_Oscillospira  ASV435_Flavorimactor  ASV394_UBA1819		ASV1635_Oscillospira	ASV394_UBA1819	
ASV71_Erysipelotrichaceae UCG003				1_Erysipelotrichaceae UCG003
ASV495_Candidatus Soleaferrea  ASV178_[Ruminococcus] gnavus group	Lachnosp <mark>iraceae NK3A2</mark> 0 group ASV142_Odoribacter	A	ASV495_Candidatus Soleaferrea ASV178_[Ruminococcus] gnavus group	ASV346_Lachnospiraceae NK3A20 group ASV142_Odoribacter
ASV2277_Actinomyces ASV299_Mitsuokella		ASV2277_A		ASV299_Mitsuokella
ASV424_UCG009			ASV42 <mark>4_U</mark> CG009	
ASV14_ASV14_ASV14_ASV14_ASV16_Alloprevo	Prevotella_9 tella			ASV14_Prevotella_9 tenibacterium ASV106_Alloprevotella
				/\cvioc_/\liopicvotona
ASV2 <mark>3_UCG</mark> 002 ASV52_Christopeen ASV295-Methanobrevibacter		ASV	23_UCG002 ASV295pMethanobrevibacter	ASV130_Megasphaera
ASV130_wegasphaera	ASV336_Tyzzerella	ASV136_UCG003	3 ASV53_Christensenellaceae RMethanobrevibacter ASV29_Holdema	anella ASV336_Tyzzerella
ASV12 <mark>5_UC</mark> G005 ASV123_NK4A214 group ASV642_Allisonella	ansia	AS	SV <mark>125_UCG005 ASV123_NK4A2</mark> 14 group ASV642_Allisonella	ASV40_Akkermansia
ASV256_Family XIII AD3011 group ASV67_Lachnoclostridium	ASV386_Lactobacillus	ASV256_Fam	ASV453_Peptoco ASV67_Lachnoclostridium	
ASVZZU_BIIOPIIIa			AS	V220_Bilophila
ASV279 Haemophilus	_Limosilactobacillus			ASV288_Limosilactobacillus ASV279_ <mark>Hae</mark> mophilus
ASV70_Lachnospi <mark>race</mark> ae ND3007 group ASV11_Romboutsia			ASV70_Lachnospiraceae ND3007 group ASV11_Romboutsia	
ASV116_Butyricicoccus  ASV78_Lachnospira  ASV712_Veillonella			ASV116_Butyricicoccus ASV78_Lachnospira	ASV712_Veillonella
ASV25_Clostri <mark>dium</mark> sensu stricto 1 ASV59_Dialis	ster		ASV25_Clostridium sensu stricto 1	ASV59_Dialister
ASV39_Dialis				
ASV135 Terrisporobacter 400 Bt 4 1 4 4			ASV135_T	errisporobacter, 14 CO. Dhagaelaratahaatari: 150
ASV266_Coriobacteriaceae UCG003  ASV36_Intestinibacter  ASV36_Intestinibacter			ASV266_Coriobacteriaceae UCG003  ASV36_Intestinibacte	ASVIOS_Phascolarctobacterium
ASV234 Lachnospiraceae LICC010			ASV391_Olsenella	
AS v 234_Laciniospilaceae UAS v 234_Laciniospilaceae UAS v 234_Laciniospilaceae UAS v 234_Turicibacter			ASV234_Lachnospiraceae UCG02107_TU	uricibacter