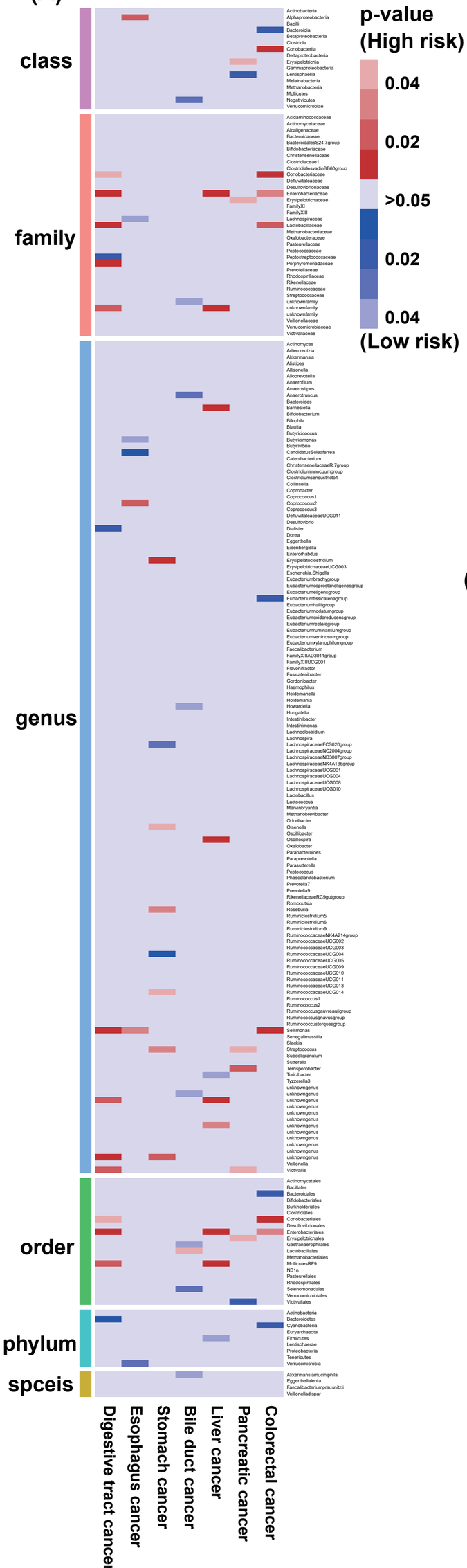
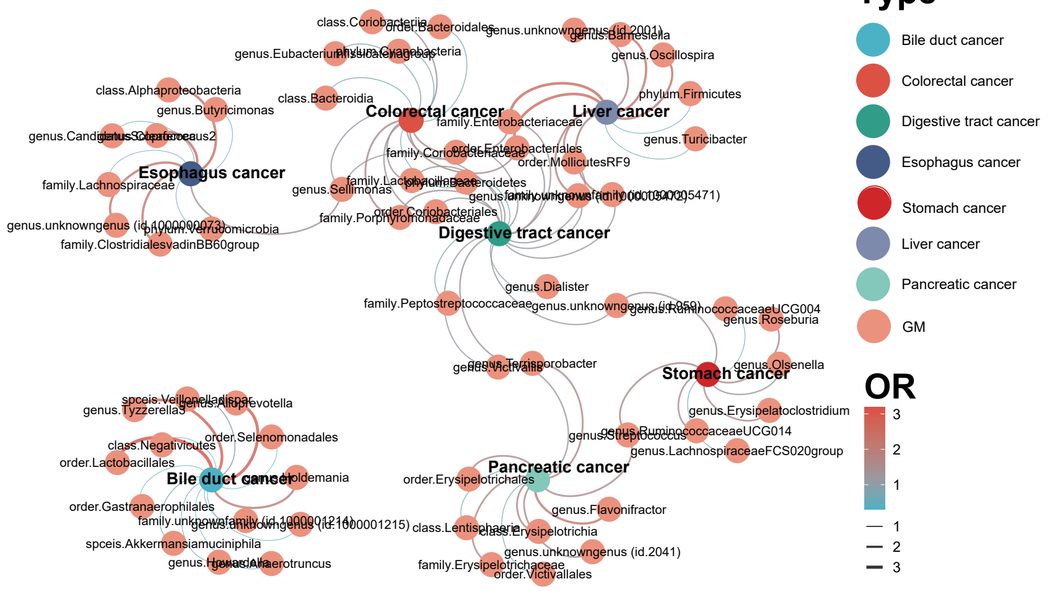
(A)



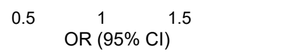
(B)



(C)

Digestive tract cancer

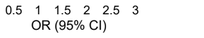
	NSNP	OR (95%CI)	P−value
family.Coriobacteriaceae	14	1.209 (1.008−1.448)	0.040
family.Enterobacteriaceae	7	1.288 (1.052−1.577)	0.014
family.Lactobacillaceae	8	1.213 (1.048−1.403)	0.009
family.Peptostreptococcaceae	13	0.831 (0.713−0.97)	0.019
family.Porphyromonadaceae	9	1.389 (1.084−1.781)	0.009
family.unknownfamily	12	1.159 (1.02−1.316)	0.024
genus.Dialister	11	0.831 (0.718−0.963)	0.014
genus.Sellimonas	9	1.103 (1.018−1.195)	0.017
genus.Terrisporobacter	5	1.326 (1.12−1.569)	0.001
genus.unknowngenus	12	1.159 (1.02−1.316)	0.024
genus.unknowngenus	11	1.132 (1.032−1.241)	0.009
genus.Victivallis	10	1.103 (1.014−1.2)	0.022
order.Coriobacteriales	14	1.209 (1.008−1.448)	0.040
order.Enterobacteriales	7	1.288 (1.052−1.577)	0.014
order.MollicutesRF9	12	1.159 (1.02−1.316)	0.024
phylum.Bacteroidetes	10	0.79 (0.658−0.948)	0.011



(D)

Esophagus cancer

	NSNP	OR (95%CI)	P−value
class.Alphaproteobacteria	6	2.36 (1.152−4.833)	0.019
family.ClostridialesvadinBB60group	15	2.164 (1.31−3.573)	0.003
family.Lachnospiraceae	16	0.501 (0.261−0.962)	0.038
genus.Butyricimonas	13	0.544 (0.307−0.965)	0.037
genus.CandidatusSoleaferrea	9	0.532 (0.327−0.867)	0.011
genus.Coprococcus2	8	2.396 (1.157−4.96)	0.019
genus.Sellimonas	9	1.438 (1.024−2.02)	0.036
genus.unknowngenus	15	2.164 (1.31−3.573)	0.003
phylum.Verrucomicrobia	12	0.526 (0.295−0.939)	0.030



(E)

Stomach cancer

	NSNP	OR (95%CI)	P−value
genus.Erysipelatoclostridium	15	1.54 (1.097−2.163)	0.013
genus.LachnospiraceaeFCS020group	12	0.658 (0.449−0.966)	0.033
genus.Olsenella	10	1.257 (1.003−1.576)	0.047
genus.Roseburia	14	1.589 (1.042−2.424)	0.032
genus.RuminococcaceaeUCG004	11	0.611 (0.429−0.87)	0.006
genus.RuminococcaceaeUCG014	10	1.524 (1.019−2.278)	0.040
genus.Streptococcus	12	1.641 (1.048−2.569)	0.031
genus.unknowngenus	11	1.344 (1.046−1.729)	0.021

(F)

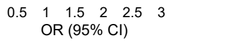
Bile duct cancer

	NSNP	OR (95%CI)	P−value
class.Negativicutes	12	0.31 (0.107−0.893)	0.030
family.unknownfamily	9	0.476 (0.232−0.974)	0.042
genus.Alloprevotella	5	2.824 (1.416−5.631)	0.003
genus.Anaerotruncus	13	0.34 (0.127−0.913)	0.032
genus.Holdemania	14	2.032 (1.001−4.127)	0.050
genus.Howardella	9	0.574 (0.336−0.979)	0.042
genus.Tyzzerella3	12	2.688 (1.499−4.821)	0.001
genus.unknowngenus	9	0.476 (0.232−0.974)	0.042
order.Gastranaerophilales	9	0.476 (0.232−0.974)	0.042
order.Lactobacillales	15	3.179 (1.03−9.809)	0.044
order.Selenomonadales	12	0.31 (0.107−0.893)	0.030
spceis.Akkermansiamuciniphila	2	0.743 (0.557−0.992)	0.044
spceis.Veillonelladispar	1	0.954 (0.91−1)	0.050

(G)

Liver cancer

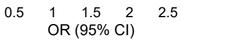
	NSNP	OR (95%CI)	P−value
family.Enterobacteriaceae	7	2.515 (1.181−5.354)	0.017
family.unknownfamily	12	1.81 (1.121−2.922)	0.015
genus.Barnesiella	12	2.177 (1.228−3.86)	0.008
genus.Oscillospira	8	2.121 (1.188−3.785)	0.011
genus.Turicibacter	9	0.577 (0.346−0.962)	0.035
genus.unknowngenus	12	1.81 (1.121−2.922)	0.015
genus.unknowngenus	8	1.742 (1.035−2.932)	0.037
order.Enterobacteriales	7	2.515 (1.181−5.354)	0.017
order.MollicutesRF9	12	1.81 (1.121−2.922)	0.015
phylum.Firmicutes	14	0.57 (0.33−0.983)	0.043



(H)

Pancreatic cancer

	NSNP	OR (95%CI)	P−value
class.Erysipelotrichia	13	1.616 (1.025−2.547)	0.039
class.Lentisphaeria	8	0.697 (0.521−0.932)	0.015
family.Erysipelotrichaceae	13	1.616 (1.025−2.547)	0.039
genus.Flavonifractor	5	2.124 (1.235−3.654)	0.006
genus.Streptococcus	12	1.653 (1.026−2.663)	0.039
genus.Terrisporobacter	5	1.671 (1.061−2.632)	0.027
genus.unknowngenus	12	1.555 (1.143−2.116)	0.005
genus.Victivallis	10	1.258 (1.002−1.58)	0.048
order.Erysipelotrichales	13	1.616 (1.025−2.547)	0.039
order.Victivallales	8	0.697 (0.521−0.932)	0.015



(I)

Colorectal cancer

	NSNP	OR (95%CI)	P−value
class.Bacteroidia	12	0.766 (0.611−0.961)	0.021
class.Coriobacteriia	14	1.319 (1.053−1.653)	0.016
family.Coriobacteriaceae	14	1.319 (1.053−1.653)	0.016
family.Enterobacteriaceae	7	1.494 (1.045−2.138)	0.028
family.Lactobacillaceae	8	1.346 (1.046−1.732)	0.021
family.Porphyromonadaceae	9	1.699 (1.197−2.411)	0.003
genus.Eubacteriumfissicatenagroup	9	0.854 (0.752−0.97)	0.015
genus.Sellimonas	9	1.142 (1.027−1.269)	0.014
order.Bacteroidales	12	0.766 (0.611−0.961)	0.021
order.Coriobacteriales	14	1.319 (1.053−1.653)	0.016
order.Enterobacteriales	7	1.494 (1.045−2.138)	0.028
phylum.Bacteroidetes	10	0.68 (0.534−0.866)	0.002
phylum.Cyanobacteria	8	0.82 (0.691−0.973)	0.023