



speci	GAA	GAC	GAG	GAT	GCA	GCC	GCG	GCT	GGA	GGC	GGG	GGT	GTA	GTC	GTG	GTT	TAA	TAC	TAG	TAT	TCC	TCG	TCT	TGA	TGC	TGG	TGT	TTC	TTG	TTT
agtu	1	1	1	4	1	2	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	4	1	1	2	1	1
aqae	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	2	1	1	1	1	1
baan	4	1	1	4	1	4	0	2	1	0	0	1	2	6	2	5	2	5	2	0	4	0	1	4	5	3	4	7	4	5
bace	4	2	1	4	1	5	0	2	1	0	0	1	3	6	2	5	3	6	3	0	4	0	1	4	6	4	5	7	4	6
baha	2	1	1	3	1	4	0	1	1	1	0	1	3	3	2	4	2	4	2	0	3	0	1	3	5	2	4	4	4	3
basu	3	1	1	3	1	4	0	2	1	1	0	1	2	4	2	4	3	4	2	0	3	0	1	2	5	3	4	6	4	4
bath	2	0	1	5	1	4	0	1	2	1	1	1	2	3	1	2	1	2	1	0	2	0	1	2	5	2	3	1	1	2
bilu	1	2	1	1	1	3	0	1	1	2	1	1	1	2	1	3	1	1	1	0	1	0	1	1	1	1	1	1	1	1
bobr	1	1	1	3	1	2	0	1	1	2	1	1	1	2	1	2	1	1	1	0	1	0	1	0	3	1	1	2	1	1
bobu	2	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
bopa	1	1	1	3	1	2	0	1	1	2	1	1	1	2	1	2	1	1	1	0	1	0	1	0	3	1	1	2	1	1
bope	1	1	1	3	1	2	0	1	1	1	1	1	1	1	1	2	1	1	1	0	1	0	1	0	3	1	1	1	1	1
brja	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1
brme	1	1	2	3	1	2	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	3	1	1	1	1	1
brsu	1	1	2	3	1	2	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	3	1	1	2	1	1
busg	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
bubp	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
buap	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
cabl	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
cacr	1	1	1	2	1	2	0	1	1	1	1	1	1	2	1	2	1	1	1	0	1	0	1	1	2	1	1	2	1	1
caje	1	1	1	3	1	2	1	1	1	1	0	1	1	2	1	1	1	2	1	0	1	1	2	1	3	1	1	1	1	2
chca	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
chmu	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
chpn	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
chte	1	1	1	2	1	2	0	1	1	1	1	1	1	1	1	1	2	1	1	0	1	0	1	1	2	1	1	1	1	1
chtr	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
chvi	2	1	1	8	1	5	0	1	2	3	1	2	2	7	3	4	1	5	1	0	1	0	1	1	8	1	1	4	2	3
clac	3	0	1	0	2	3	0	1	1	0	0	1	2	3	2	4	1	4	2	0	4	1	3	1	2	3	3	2	2	4
clpe	4	0	1	4	2	4	0	3	1	0	0	1	3	3	2	4	4	4	3	0	7	1	3	2	6	2	4	3	2	7
clte	2	0	1	3	2	2	0	1	1	0	1	1	2	1	1	3	2	1	1	0	2	1	1	1	3	1	3	1	1	2
cobu	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
coef	1	2	2	1	1	3	0	1	1	2	1	1	1	2	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
cogl	1	2	2	2	1	3	0	1	1	1	1	2	1	2	1	2	1	1	1	0	1	0	1	1	3	1	1	1	1	1
dera	1	1	1	1	1	3	0	1	1	1	1	1	2	3	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
enfa	2	0	1	2	2	2	0	1	1	0	0	1	2	3	1	2	2	3	2	0	2	0	1	2	3	2	2	3	2	3
esco	2	2	1	3	1	4	0	1	2	2	1	2	3	3	1	4	1	5	1	0	1	0	1	1	3	1	1	4	2	6
funu	2	0	0	1	1	1	0	1	0	0	0	0	1	3	1	2	1	3	2	0	3	1	1	2	2	2	2	3	2	2
gesu	1	1	1	2	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	2	1	1	2	2	1
glvi	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
hadu	1	1	1	3	1	3	0	1	1	1	0	1	1	2	1	1	1	3	1	0	1	0	1	1	3	2	1	3	1	2
hain	1	1	1	3	1	3	0	1	1	1	0	1	1	3	1	2	2	4	1	0	1	0	1	2	3	2	1	3	2	3





sywh	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	0	0	0	
thel	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0
thma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
thte	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	4	1	1	1	1	1	0	1	1	1	1	1
trpa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1	0	1	1	1	1	1	1	1	1	1
trwh	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
urur	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	1
vich	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	0	3	9	1	0	1	0	0	0	0	0	0	0	0
vipa	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	1	0	0	11	2	0	1	1	0	0	0	0	0	0	0
vivu	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	0	0	9	2	0	1	1	0	0	0	0	0	0	0
wigl	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	3	1	0	1	0	0	0	0	0	0	0	0
wouc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	1	0	0	0	0	0	0	0
xaax	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1
xaca	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1
xyfa	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
yepe	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	2	6	1	1	1	1	0	0	0	0	0	1	1

sywh	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	2	1	1	1	1	1	
thel	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1	1	
thma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
thte	2	1	1	1	1	2	0	1	1	1	1	1	2	2	1	3	1	2	1	0	1	0	1	1	2	1	1	2	1	2
trpa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
trwh	3	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	1	1	1	3	1	1
urur	1	0	0	1	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	
vich	3	2	1	3	3	6	0	2	1	1	1	2	5	5	2	4	2	2	5	0	2	0	1	2	4	3	4	4	5	2
vipa	4	2	2	2	4	11	0	1	1	1	0	2	7	6	2	5	3	4	10	0	2	0	1	4	4	3	5	6	6	4
vivu	4	2	2	3	3	7	0	2	1	1	1	2	4	6	2	5	2	4	7	0	2	0	1	4	5	3	4	5	4	5
wigl	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	2	1	1
wouc	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	3	1	1	2	1	1
xaax	1	1	1	2	1	2	0	1	1	2	1	1	1	2	1	1	1	1	1	0	1	0	1	1	3	1	1	2	1	1
xaca	1	1	1	2	1	2	0	1	1	2	1	1	1	2	1	1	1	1	1	0	1	0	1	1	2	1	1	2	1	1
xyfa	1	1	1	2	1	2	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	2	1	1	1	1	2
yepe	2	2	1	3	1	2	0	1	2	2	1	2	2	3	1	3	1	3	1	0	1	0	1	2	3	2	2	3	1	3