

ala	glu	ala
ala	glu	asp
ala ala	glu	cys
ala	glu	asp
arg	try	gly
arg	try	gly
arg	arg	ala
arg	arg	pro
asn	cys	pro
asn	cys	pro
asp	asp	lys
asp	asp	asp
asp	asp	asp
cys	ala ala	glu
cys	ala	ser
cys	gly	glu
cys	gly	ser
cys	pro	lys
cys	pro	leu
cys	tyr	ileu
cys	tyr	phe
glu	ala	phe
glu	ala	leu
glu	his	phe
glu	his	phe

1 [

2 [

3 [

4	glun	asn	cys	
	glun	asn	cys	
	glun	cys	cys	
	glun	cys	his	
	glun	leu	glu	
	glun	leu	ala	
	glun	leu	cys	
	gly	lys	pro	
	gly	lys	lys	
	gly	ser	pro	
	gly	ser	his	
	his	leu	cys	
	his	leu	val	
	his	phe	arg	
	his	phe	arg	
	leu	cys	gly	
	leu	cys	ala	
	leu	glu	asn	
	leu	glu	phe	
	leu	tyr	leu	
	leu	tyr	glun	
	leu	val	glu	
	leu	val	cys	
	met	glu	his	
	met	glu	his	
	phe	arg	try	
	phe	arg	try	
	phe	val	asn	
	phe	val	glun	

See
bottom

pro	leu	gly	
pro	leu	glu	
pro	lys	asp	
pro	lys	ala	
pro	lys	gly	
pro	val	lys	
pro	val	gly	
thr	ser	lys	
thr	ser	asp	
tyr	leu	val	
try	leu	met	
tyr	leu	asp	
val	cys	gly	
val	cys	ser	
val	glu	glun	
val	glu	ala	
val	glu	lys	
val	glun	try	
val	glun	leu	
val	try	val	
val	tyr	pro	
ileu	val	glu	
ileu	val	gly	

16

27

25

7

10

8

16

3

24

13

24

7

7

4

24

19

234 Bogen

11 ~~an~~

Prohens ~~de~~

a

b

c

c



		gly
	gly	ileu
gly	ileu	val
ileu	val	glu
val	glu	glun
glu	glun	cys
glun	cys	cys
cys	cys	ala
cys	ala	ser
ala	ser	val
ser	val	cys
val	cys	ser
cys	ser	leu
ser	leu	tyr
leu	tyr	glun
tyr	glun	leu
glun	leu	glu
leu	glu	asn
glu	asn	tyr
asn	tyr	cys
tyr	cys	asn
cys	asn	
asn		

phe	val	asn
val	asn	glun
asn	glun	his
glun	his	leu
his	leu	cys
leu	cys	gly
cys	gly	ser
gly	ser	his
ser	his	leu
his	leu	val
leu	val	glu
val	glu	ala
glu	ala	leu
ala	leu	tyr
leu	tyr	leu
tyr	leu	val
leu	val	cys
val	cys	gly
cys	gly	glu
gly	glu	arg
glu	arg	gly
arg	gly	phe
gly	phe	phe
phe	phe	tyr

~~phe~~ ~~tyr~~

~~tyr~~

phe	tyr	thr
tyr	thr	pro
thr	pro	lys
pro	lys	ala
lys	ala	
ala		

b

	cys	cys
	cys	tyr
cys	tyr	ileu
tyr	ileu	glun
ileu	glun	asn
glun	asn	cys
asn	cys	pro
cys	pro	leu
pro	leu	gly
leu	gly	
gly		

	cys	tyr
	cys	tyr
cys	tyr	phe
tyr	phe	glun
phe	glun	asn
glun	asn	cys
asn	cys	pro
cys	pro	lys
pro	lys	gly
tyr	gly	

			ser	tyr	ser
			tyr	ser	met
			ser	met	glu
			met	glu	his
			glu	his	phe
			his	phe	arg
			phe	arg	try
			arg	try	gly
			try	gly	lys
			gly	lys	pro
			lys	pro	val
			pro	val	gly
			val	gly	lys
			gly	lys	lys
			lys	lys	arg
			lys	arg	arg
			arg	arg	pro
			arg	pro	val
			pro	val	lys
			val	lys	val
			lys	val	tyr
			val	tyr	pro
			tyr	pro	asp
			pro	asp	gly

asp	gly	ala
asp	gly	ala
gly	ala	glu
ala	glu	asp
glu	asp	glun
asp	glun	leu
glun	leu	ala
leu	ala	glu
ala	glu	ala
glu	ala	phe
ala	phe	pro
phe	pro	leu
pro	leu	glu
leu	glu	phe

~~glu~~~~phe~~~~phe~~

	his	ser
his	ser	glun
ser	glun	gly
glun	gly	thr
gly	thr	phe
thr	phe	thr
phe	thr	ser
thr	ser	asp
ser	asp	thr
asp	thr	ser
thr	ser	lys
ser	lys	tyr
lys	tyr	leu
tyr	leu	asp
leu	asp	ser
asp	ser	arg
ser	arg	arg
arg	arg	ala
arg	ala	glun
ala	glun	asp
glun	asp	phe
asp	phe	val
phe	val	glun
val	glun	try
glun	try	leu

try	leu	met
leu	met	asn
met	asn	thr
asn	thr	

thr

		asp	glu
	asp	glu	gly
	glu	gly	pro
	gly	pro	tyr
	pro	tyr	lys
	tyr	lys	met
	lys	met	glu
	met	glu	his
	glu	his	phe
	his	phe	arg
	phe	arg	try
	arg	try	gly
	try	gly	ser
	gly	ser	pro
	ser	pro	pro
	pro	pro	lys
	pro	lys	asp
	lys	asp	

asp

	lys	glu	11
lys	glu	thr	
glu	thr	ala	
thr	ala	ala	
ala	ala	ala	
ala	ala	lys	
ala	lys	phe	
lys	phe	glun	
phe	glun	arg	
glun	arg	glu	
arg	glu	tyr	
glu	tyr	cys	
tyr	cys	asn	
cys	asn	glun	
asn	glun	met	
glun	met	met	
met	met	lys	
met	lys	ser	
lys	ser	arg	
ser	arg	asn	
arg	asn	leu	
asn	leu	thr	
leu	thr	lys	
thr	lys	asp	
lys	asp	arg	
asp	arg	cys	

arg	cys	lys
cys	lys	asn
lys	asn	val
asn	val	ala
val	ala	cys
ala	cys	lys
cys	lys	asn
lys	asn	thr
asn	thr	cys
thr	cys	asn
cys	asn	arg
asn	arg	glu
arg	glu	ser
glu	ser	thr
ser	thr	ser
thr	ser	gly
ser	gly	lys
gly	lys	tyr
lys	tyr	pro
tyr	pro	asn
pro	asn	ala
asn	ala	cys

ala	cys	tyr
-----	-----	-----

cys	tyr	lys
-----	-----	-----

tyr	lys	thr
lys	thr	thr
thr	thr	asn
thr	asn	glun
asn	glun	ala
glun	ala	lys
ala	lys	his
lys	his	tyr
his	tyr	glun
tyr	glun	ser
glun	ser	tyr
ser	tyr	phe
tyr	phe	asp
phe	asp	ala
asp	ala	ser
ala	ser	val

		asp
	asp	asp
asp	arg	val
arg	val	try
val	try	val
try	val	his
val	his	pro
his	pro	phe
pro	phe	his
phe	his	leu
his	leu	
leu		lys

	val	asp
val	asp	asp
asp	asp	asp
asp	asp	asp
asp	asp	lys
asp	lys	ileu
lys	ileu	val
ileu	val	gly
val	lys	

~~val~~

val

glun

lus

glun

lus

cys

lus

cys

ala
~~ala~~

cys

ala
~~ala~~

glun

ala
~~ala~~

glun

cys

glun

cys

his

cys

his

thr

his

thr

val

thr

val

glu

val

glu

lys

~~lys~~

~~lys~~

lys