

Nitrilase

β -Ureidopropionase

Glutamine-dependent NAD synthetase

Nit

N-carbamyl putrescine amidohydrolase

F	P	E	a	F
l	Q	E	A	W
G	P	E	L	E
l	P	E	.	w
i	Q	E	L	F

H	R	K	l	.	P	T
h	R	K	N	H	I	P
P	P	K	M	.	L	A
.	R	K	.	H	L	F
Y	R	K	s	H	L	P

L	.	C	W	E	N	r	m	P
N	I	C	Y	G	R	h	H	P
E	t	C	E	E	L	f	t	.
.	.	C	.	D	.	R	F	.
g	I	C	W	D	Q	W	F	P

Additional file 7. Consensus sequences around EKC catalytic triad. The catalytic residues are marked by red. Uppercase letters represents residues in accordance with the residues specified in Pace and Brenner (2001) and lowercase letters, represents residues with internal consensus, but not with the former article. The dots represents varying residues.