

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

Comparison of proteomic, metabolic, and growth profiles of *Brettanomyces bruxellensis* isolates from Croatian wines.

Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 1 Percentage of matched proteins for *Brettanomyces bruxellensis* wine isolates.

Isolate	Percentage of matched proteins
KLV11	2.01
KLV13	2.93
KLV14	2.91
KLV15	2.70
KLV16	2.58
KLV17	2.66
KLV18	2.87
KLV19	1.97
KLV21	2.60
KLV22	2.34

Supplemental Table 2 List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
hsp12p	385303971	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
f-actin capping protein beta subunit	385302592	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
mitochondrial translation initiation factor 2	385301624	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
eukaryotic peptide chain release factor GTP-binding subunit	385302113	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative RNA Pol II ctd phosphatase component	385301990	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_0319	385305789	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
guanine nucleotide exchange factor for adp ribosylation factors	385304429	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
protein required for daughter cell multiple mitotic checkpoints and chromosome stability	385303858	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
glutamyl-tRNA synthetase	385304182	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
s-adenosyl-l-methionine-dependent tRNA: m5c-methyltransferase	385304670	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
maltase	385301020	8	d	d	d	d	d	nd	d	d	nd	d	nd
sensor-transducer	385301335	2	nd	nd	d	nd	d	nd	nd	nd	nd	nd	nd
heat shock protein 104	385303591	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
pentafunctional arom polypeptide	385305706	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
fructose-bisphosphate aldolase	385302207	10	d	nd	d	d	d	d	d	d	d	d	d
gaa1p	385303186	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_4120	385301846	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0594	385305545	3	nd	nd	d	nd	nd	nd	nd	nd	nd	d	d
hypothetical protein AWRI1499_1931	385304134	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
magnesium transporter	385304469	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
mitotic checkpoint protein bub3	385301476	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
putative tRNA ribose methyltransferase	385303949	2	d	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
putative membrane protein ycr061w	385301654	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
plasma membrane channel protein	385303915	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
putative ribonuclease III	385302377	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
hypothetical protein AWRI1499_1387	385304653	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
aur1p	385305005	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
ykl047w-like protein	385303627	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
heat repeat protein	385302447	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
r3h domain-containing protein	385302604	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
DNA-dependent ATPase	385302190	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
sorting nexin-41	385303173	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0880	385305182	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
membrane bud-specific	385301115	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
monothiol glutaredoxin-3	385304490	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative spindle-pole body protein	385303287	5	nd	nd	d	d	nd	nd	nd	nd	d	d	d
chromo domain protein 1	385305649	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ATP-dependent DNA helicase mitochondrial precursor	385302133	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
mitotic spindle midzone localized microtubule-associated protein family member	385305751	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
exocyst complex component	385301107	2	nd	nd	d	nd	nd	nd	nd	nd	nd	d	nd
fungal-specific transcription factor	385301871	1	nd	nd	nd	d	nd	nd	d	nd	nd	nd	nd
yor296w-like protein	385305613	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
glutathione s-transferase	385302375	5	nd	nd	nd	d	d	nd	d	nd	nd	d	d
cytoskeleton assembly control protein	385300989	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4602	385301345	3	nd	nd	nd	nd	nd	nd	nd	d	d	nd	d
structure-specific endonuclease rad27	385302733	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
DNA-dependent RNA polymerase i subunit a43	385305357	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3365	385302631	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
glutathione transferase 3	385301484	3	nd	nd	nd	nd	d	nd	nd	d	nd	d	nd
serine/threonine protein kinase	385303362	2	nd	nd	nd	nd	nd	d	d	nd	nd	nd	nd
cell division control protein 48	385301949	2	nd	d	nd	d	nd	nd	nd	nd	nd	nd	nd
eukaryotic translation initiation factor	385301806	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_0838	385305237	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
histone acetyltransferase type b subunit 2	385302065	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
karyogamy protein kar4	385302971	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
nuclear architecture related protein	385306039	2	nd	nd	d	d	nd	nd	nd	nd	nd	nd	nd
uba ts-n domain protein	385305793	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
protein phosphatase regulatory subunit	385305574	2	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
alpha-glucoside permease	385301224	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
coatome beta subunit	385304212	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
subunit of the RNA polymerase II mediator	385303123	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
cytosolic regulator pianissimo	385302615	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_1427	385304634	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
transmembrane GTPase fzo1	385301672	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
constituent of 66s pre-ribosomal required for large ribosomal subunit biogenesis	385304601	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
peptidyl-prolyl cis-trans isomerase	385305007	11	d	d	d	d	d	d	d	d	d	d	d
putative methyltransferase	385305663	2	nd	nd	nd	d	nd	d	nd	nd	nd	nd	nd
ribosome biogenesis protein tsr1	385302915	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
putative wry family protein 8	385304152	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
plasma membrane snare protein	385301930	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
ubiquitin-protein ligase	385304568	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
aspartyl-tRNA synthetase	385301707	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
ynl313c-like protein	385301772	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_2101	385303941	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
mannosyl kinase	385304273	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0001	385306091	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
sulfate permease 1	385302217	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
spt3 dosage dependent suppressor of ty-induced promoter mutations-like protein	385303738	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
DNA repair	385306096	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative mitochondrial protein fmp35	385305790	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
monocarboxylate transporter	385303743	3	d	nd	nd	nd	nd	nd	nd	d	nd	d	nd
c6 transcription factor	385305969	2	d	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
Na(+) H(+) antiporter	385305887	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
proteinase inhibitor i2b	385303424	7	d	d	d	nd	d	d	nd	nd	d	d	nd
c6 transcription	385302415	2	nd	d	nd	nd	d	nd	nd	nd	nd	nd	nd
60s ribosomal protein l23	385305581	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
5 -3 exoribonuclease 2	385303464	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1635	385304394	2	nd	nd	nd	d	d	nd	nd	nd	nd	nd	nd
d-arabinose dehydrogenase	385303665	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
component of the exomer which also contains and bud7p	385304983	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_2191	385303790	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
anthranilate phosphoribosyltransferase	385303571	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
60s ribosomal protein l20	385301142	8	d	d	d	d	nd	d	d	d	nd	d	nd
acetyl-coenzyme a synthetase 2	385301373	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
enolase	385302461	11	d	d	d	d	d	d	d	d	d	d	d
60s ribosomal protein l19	385304597	2	nd	d	nd	nd	d	nd	nd	nd	nd	nd	nd
TFIIF (transcription factor II) largest subunit	385304564	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
subunit of the nuclear pore complex	385303143	3	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	d
glycolipid-anchored surface protein 4 precursor	385305754	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative rRNA methyltransferase	385305060	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
elongation factor 1-alpha	385304523	11	d	d	d	d	d	d	d	d	d	d	d
nicotinamide-nucleotide adenyltransferase 1	385303103	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
c2h2 zinc finger protein	385304402	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
allantoate permease	385304765	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
vhs domain protein	385303491	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
serine threonine-protein kinase cbk1	385305607	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_3262	385302729	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
40s ribosomal protein s8	385306033	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
drug resistance protein 2	385301404	2	nd	nd	nd	d	nd	nd	nd	nd	nd	d	nd
histone h2a	385302641	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
ring-8 protein	385305599	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
mitochondrial RNA polymerase	385304972	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
ubiquitin carboxyl-terminal hydrolase	385303805	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
ymr185w-like protein	385303265	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ygr235c-like protein	385301171	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
40s ribosomal protein s0	385304377	5	d	nd	nd	d	nd	d	d	d	nd	nd	nd
n-terminal acetyltransferase complex ard1 subunit	385305730	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1709	385304320	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
vacuole morphology and inheritance protein 14	385302913	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hemolysin-like protein	385301041	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
mrps5p	385305503	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative negative regulator of exit from mitosis	385303859	2	nd	nd	d	d	nd	nd	nd	nd	nd	nd	nd
microtubule-associated protein	385303189	2	nd	d	nd	nd	nd	nd	d	nd	nd	nd	nd
fatty acid synthase alpha subunit, partial	385303962	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
protein gis3	385301913	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
DNA topoisomerase II	385301380	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
multidrug-resistance transporte	385300922	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
hypothetical protein AWRI1499_4061	385301937	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative zinc-regulated protein	385302715	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
rho GTPase activator	385303037	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
telomere length regulation protein	385304557	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DNA-directed DNA polymerase catalytic subunit a	385301907	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
60s ribosomal protein l16-a	385302101	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
putative cytosolic ribosomal protein l17	385302598	2	nd	nd	d	nd	nd	d	nd	nd	nd	nd	nd
putative phosphatidylinositol kinase	385305582	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
auxilin-like protein involved in vesicular transport	385305794	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
subunit of the hir a nucleosome assembly complex	385304647	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1951	385304103	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
hansenula yellow enzyme 3	385302160	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
negative regulator of transcription	385301967	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
pab-dependent poly -specific ribonuclease subunit	385302127	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
putative RNA Pol II transcriptional activator	385303225	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
NADPH-cytochrome p450 reductase	385301646	2	nd	nd	nd	d	nd	nd	nd	nd	d	nd	nd
glycosyl hydrolase	385302469	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
cdc19	385304821	3	nd	nd	d	d	d	nd	nd	nd	nd	nd	nd
cell cycle regulatory protein	385301005	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
10 kDa heat shock mitochondrial	385305728	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
40s ribosomal protein	385301493	2	nd	nd	nd	nd	nd	d	nd	nd	nd	d	nd
ell complex subunit	385302474	2	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	d
e3 ubiquitin ligase for rad6p	385302794	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
drap deaminase	385304786	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
calcium-transporting ATPase 1	385305561	2	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	d
beta-tubulin cofactor d	385305662	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
dynein-related aaa-type	385304366	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd

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			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
40s ribosomal protein s21	385304325	3	d	nd	d	d	nd	nd	nd	nd	nd	nd	nd
urea amidolyase	385302790	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
aspartate transcarbamylase	385301480	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
GDP/GTP exchange factor	385302427	7	d	d	nd	nd	nd	d	d	nd	d	d	d
avo2p	385304941	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
nusm subunit of mitochondrial NADH:ubiquinone oxidoreductase (complex I)	385304513	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
succinyl- ligase alpha- mitochondrial precursor	385305760	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
transcriptional activator hap3	385301619	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
ATP-dependent protease	385304188	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
glycoside hydrolase family 3	385304130	2	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	d
phosphatidylinositol 3-kinase Pdd1p	385304203	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative mitochondrial seryl-tRNA synthetase	385305314	3	d	nd	d	d	nd	nd	nd	nd	nd	nd	nd
member of the s family (chs5p-arf1p-binding proteins: chs6p) that forms th	385302292	2	nd	nd	d	nd	d	nd	nd	nd	nd	nd	nd
mitochondrial precursor	385304110	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
myb DNA-binding domain containing protein	385303360	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
myosin-2	385302429	2	nd	nd	nd	nd	nd	nd	d	nd	nd	d	nd
metalloprotease ATP23	385305158	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative 26s proteasome regulatory particle subunit rpn13p	385305765	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
ribonucleoside-diphosphate reductase large chain 1	385303449	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
DNA repair protein rad18	385303815	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative forkhead-like transcriptional regulator	385301738	2	nd	nd	nd	nd	nd	d	nd	nd	nd	d	nd
activator of forkhead-like transcription factor	385302042	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_1886	385304159	2	nd	nd	nd	d	nd	nd	nd	nd	nd	d	nd
phosphoribosylformylglycinamide synthase	385301313	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
g-protein beta subunit-like protein containing wd repeats	385302936	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
telomere elongation protein	385304340	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
54s ribosomal protein mitochondrial	385301724	3	nd	d	nd	nd	d	nd	d	nd	nd	nd	nd
DNA polymerase alpha catalytic subunit	385304086	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NADH-ubiquinone oxidoreductase	385302527	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_0767	385305288	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ammonium transporter	385304699	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
DNA replication	385301163	2	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	d
DNA replication complex gins protein sld5	385302608	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
btb poz domain-containing protein	385300955	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
wd repeat-containing protein	385302166	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
erv46p	385302035	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
yjr054w-like protein	385305668	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
RNA binding protein	385301297	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
retrograde regulation protein 2	385301258	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

Comparison of proteomic, metabolic, and growth profiles of *Brettanomyces bruxellensis* isolates from Croatian wines.

Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
adenylate cyclase	385303810	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
lap3p	385302356	5	nd	nd	nd	nd	d	d	d	d	nd	nd	d
hypothetical protein AWRI1499_3646	385302312	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
tkl1p	385305456	3	nd	nd	d	d	nd	nd	nd	d	nd	nd	nd
cation translocating p-type ATPase	385303821	2	nd	nd	nd	nd	d	nd	nd	nd	d	nd	nd
glycogen debranching enzyme	385304593	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
nma111	385305979	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
nuclear localization sequence binding protein	385305287	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
putative ser thr protein kinase	385302336	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
subunit c of the eight-subunit v1 peripheral membrane domain of vacuolar h+-ATPase (v-ATPase)	385305030	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
glycine mitochondrial precursor	385301927	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
ubiquitin	385302811	11	d	d	d	d	d	d	d	d	d	d	d
glucan -beta-glucosidase precursor	385305207	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative bud neck localizing protein phosphatase subunit bni4p	385305260	2	nd	nd	nd	d	nd	nd	nd	nd	d	nd	nd
pop1p	385305564	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
mitochondrial distribution and morphology protein 31	385304913	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
serine threonine kinase	385301388	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
vacuolar h+-ATPase assembly protein	385303547	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
protein involved in plasmid respiration and cell proliferation	385304457	2	nd	nd	nd	d	nd	nd	d	nd	nd	nd	nd
heat shock protein ssb1	385303397	11	d	d	d	d	d	d	d	d	d	d	d
hexameric DNA polymerase alpha-associated DNA helicase a involved in lagging strand DNA synthesis	385304861	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
para-hydroxybenzoate-- mitochondrial precursor	385304148	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative nucleolar complex protein 14	385304802	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
ATP binding cassette transporter ABC1p	385301761	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
outer kinetochore protein dad2	385303644	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
forkhead transcription factor	385304875	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
translationally controlled tumor protein	385303768	2	nd	nd	d	nd	nd	nd	nd	d	nd	nd	nd
putative metalloproteinase	385302749	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
putative serine threonine-protein kinase hsl1	385304958	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
rho1 GTPase	385301504	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
DNA replication licensing factor mcm6	385303325	2	nd	nd	d	d	nd	nd	nd	nd	nd	nd	nd
gmp synthase	385302393	4	nd	nd	d	nd	nd	d	d	nd	d	nd	nd
histone transcription	385302304	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
pyruvate decarboxylase	385305907	11	d	d	d	d	d	d	d	d	d	d	d
actin-like protein	385305958	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
plasma membrane ATP-binding cassette transporter	385304040	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
26s protease regulatory subunit 8	385301840	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
amino acid permease	385303580	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
ddi1-like protein	385305620	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_4282	385301659	2	nd	d	nd	nd	nd	nd	nd	nd	nd	d	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

Comparison of proteomic, metabolic, and growth profiles of *Brettanomyces bruxellensis* isolates from Croatian wines.

Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
inositol hexakisphosphate inositol polyphosphate	385302233	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
vacuolar protein sorting protein	385303194	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
spindle pole antigen	385305032	2	nd	nd	nd	nd	d	d	nd	nd	nd	nd	nd
2-enoyl thioester reductase	385303997	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
n-acetylated-alpha-linked acidic dipeptidase	385305050	4	nd	d	nd	d	d	nd	nd	nd	nd	d	nd
aspartic-type endopeptidase	385305480	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
member of the puf protein family	385303007	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
dom34-interacting protein 2	385305892	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
cell cycle serine threonine-protein kinase cdc5 msd2	385302929	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
skn7p	385304865	2	d	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
swc5p	385305944	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
cell wall biogenesis protein	385302053	2	nd	nd	nd	nd	nd	d	d	nd	nd	nd	nd
fad dependent	385304496	2	d	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
snf2 family helicase	385301664	2	nd	d	nd	nd	nd	nd	nd	nd	nd	d	nd
mitochondrial ribosomal protein of small subunit	385302770	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
subunit vi of cytochrome c oxidase	385305511	5	d	nd	nd	nd	d	nd	d	d	d	nd	nd
hypothetical protein AWRI1499_2143	385303910	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1478	385304596	2	nd	nd	nd	nd	nd	nd	nd	d	nd	d	nd
2-dehydropantoate 2-reductase	385304342	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative u3 snornc component	385302722	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
6-Phosphofructokinase alpha subunit	385305586	4	nd	d	nd	nd	nd	nd	d	d	nd	d	nd
putative calcium channel	385302058	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
hypothetical protein AWRI1499_3996	385301960	3	d	nd	d	d	nd	nd	nd	nd	nd	nd	nd
cell division control protein	385304471	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
helicase swr1	385301536	2	nd	nd	nd	nd	d	d	nd	nd	nd	nd	nd
succinate dehydrogenase flavoprotein subunit	385302409	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
alcohol dehydrogenase	385301733	10	d	d	d	d	d	d	d	d	nd	d	d
6-Phosphofructo-2- inhibited by phosphoenolpyruvate and sn-glycerol 3- has negligib	385301337	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
casein kinase II	385305476	2	d	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
polyphosphatidylinositol phosphatase	385301378	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative conserved endoplasmic reticulum protein	385304331	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
regulatory subunit of cdc7p-dbf4p kinase complex	385305988	2	nd	nd	nd	nd	nd	nd	d	d	nd	nd	nd
transcription factor TFIIC complex subunit sfc3	385304424	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_3345	385302611	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_3661	385302327	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
60s ribosomal protein l29	385301054	3	nd	d	d	nd	d	nd	nd	nd	nd	nd	nd
putative yta7-like ATPase	385305588	4	nd	nd	d	nd	nd	d	nd	d	d	nd	nd
translational activator gcn1	385304412	3	nd	nd	nd	nd	nd	nd	d	nd	nd	d	nd
proline utilization trans-activator	385305671	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
methionine aminopeptidase	385302779	2	nd	nd	nd	nd	nd	nd	nd	d	nd	d	nd
n-terminal acetyltransferase	385301213	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

Comparison of proteomic, metabolic, and growth profiles of *Brettanomyces bruxellensis* isolates from Croatian wines.

Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
peroxisomal membrane protein pmp47b	385304606	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
dead deah box helicase	385305127	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
ydl063c-like protein	385302920	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
ymi002w-like protein	385302243	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4166	385301797	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
dot1p	385304630	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
endonuclease exonuclease phosphatase family protein	385301808	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative sir2 family histone deacetylase	385301106	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
regulator of glucose repression	385305401	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
translocation protein sec62	385305241	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
alpha-isopropylmalate synthase	385304355	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
translation initiation factor subunit a (eif-3a)	385306032	2	nd	nd	nd	nd	d	nd	d	nd	nd	nd	nd
t-snare required for er membrane fusion and vesicular traffic	385301957	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
et-dependent methyltransferase involved in rRNA processing and 60s ribosomal subunit maturation	385305187	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_2926	385303065	3	d	nd	nd	d	nd	nd	nd	nd	nd	nd	d
member ras oncogene family	385303857	2	nd	nd	nd	nd	nd	d	d	nd	nd	nd	nd
exonuclease 1	385302014	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_1801	385304268	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
u3 small nucleolar ribonucleoprotein imp3	385304748	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
transcription factor	385302108	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
DNA replication licensing factor mcm5	385304932	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
sister chromatid separation protein	385302111	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
phosphatidylinositol 3-kinase tor2	385304870	5	nd	nd	d	d	nd	nd	d	nd	d	nd	d
endosomal snare protein	385301594	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
hypothetical protein AWRI1499_3601	385302403	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
rps26bp	385305224	6	nd	d	nd	nd	d	nd	nd	d	d	d	d
hxx2p	385306009	11	d	d	d	d	d	d	d	d	d	d	d
glycogen phosphorylase	385304326	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
eukaryotic translation initiation factor 5a	385305439	11	d	d	d	d	d	d	d	d	d	d	d
DNA-binding protein of the mitochondria involved in repair of mitochondrial DNA	385305974	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
60s ribosomal protein	385305996	6	d	d	d	d	d	nd	nd	nd	nd	nd	d
ATPase required for the release of sec17p	385301843	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative mitochondrial tRNA modification protein	385303389	2	nd	nd	nd	nd	d	nd	nd	nd	nd	d	nd
mitochondrial respiratory chain complexes assembly protein rca1	385301779	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
extracellular matrix protein 14 precursor	385301050	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative mitochondrial ribosomal protein s13	385301860	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
nucleoporin gle2	385303333	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
DNA2 nam7	385304235	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
ylr001c-like protein	385301029	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
zn 2cys6 transcription factor	385300921	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
ymr118c-like protein	385302689	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
emi2p	385304176	7	nd	nd	d	d	d	d	d	d	nd	d	nd
elongation factor 3	385302802	4	d	nd	nd	d	nd	d	nd	d	nd	nd	nd
pak2b protein	385301389	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4129	385301855	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
yfl042c-like protein	385305612	4	nd	nd	d	d	nd	d	d	nd	nd	nd	nd
elongation factor 1-gamma 1	385303846	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
methionyl-tRNA synthetase	385303256	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1749	385304312	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
protoplast secreted protein 2 precursor	385302386	8	nd	d	d	d	nd	d	d	d	d	d	nd
regulatory subunit of trehalose-6-phosphate synthase phosphatase complex	385301456	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
peroxisomal coenzyme a peroxisomal	385303809	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
eukaryotic peptide chain release factor subunit 1	385303279	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
copi vesicle coat beta	385304719	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_4673	385301263	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
heat shock protein ssa2	385303095	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
GTP-binding protein	385303634	3	nd	nd	d	nd	nd	d	nd	d	nd	nd	nd
phosphoglycerate mutase	385300983	9	nd	d	d	d	d	d	d	d	d	nd	d
arginine methyltransferase	385305316	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
heat shock protein 90	385302788	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
ubiquitin carboxyl-terminal hydrolase, putative	385302011	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
40s ribosomal protein s9-b	385304153	4	nd	d	nd	d	nd	d	nd	nd	nd	d	nd
60s ribosomal protein l21-a	385304154	4	nd	d	nd	nd	d	nd	nd	d	d	nd	nd
fatty acid synthetase beta subunit	385305951	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
associated with histones spt16 pob3	385302086	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
ydr018c-like protein	385303300	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
glucosamine--fructose-6-phosphate aminotransferase	385305628	4	nd	nd	nd	d	d	d	nd	nd	nd	nd	d
transducin family protein wd-40 repeat family protein	385302184	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
essential protein involved in nuclear export of mss4p	385303557	2	nd	d	d	nd	nd	nd	nd	nd	nd	nd	nd
hdf2 protein	385304754	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
aromatic amino acid aminotransferase i	385304822	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
60s ribosomal protein l15-b	385304665	5	d	nd	d	d	nd	d	nd	nd	nd	d	nd
putative peroxisomal biogenesis aaa ATPase pex1	385304701	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0917	385305143	2	nd	nd	nd	nd	nd	d	d	nd	nd	nd	nd
ser thr protein phosphatase	385302714	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
vacuolar ATP synthase subunit a	385304502	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
erg11p	385301286	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
rpp1ap	385304937	3	d	nd	nd	nd	d	d	nd	nd	nd	nd	nd
eukaryotic translation initiation factor 5	385304306	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3612	385302365	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hsp70-family chaperone	385303005	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
nujm () subunit of mitochondrial NADH:ubiquinone oxidoreductase (complex I)	385301257	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
ABC transporter	385304039	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
protein whose overexpression suppresses the synthetic lethality of the hal3 sit4 double mutation	385305829	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
inorganic phosphate transporter	385304712	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
putative guanine nucleotide exchange factor eif-2b gamma subunit	385302902	2	nd	nd	d	nd	nd	nd	nd	nd	d	nd	nd
putative RNA Pol II transcription elongation factor	385304962	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative nuclear thioredoxin peroxidase	385305339	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
hypothetical protein AWRI1499_4281	385301658	2	nd	nd	d	nd	nd	nd	nd	nd	d	nd	nd
putative mRNA deadenylase and ccr4-not complex subunit cdc39p	385302543	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative cyclic nucleotide-binding phospholipase	385305953	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
f-box protein component of the scf ubiquitin-ligase complex	385304303	3	d	nd	nd	nd	nd	nd	d	nd	nd	nd	d
putative fungal zinc cluster transcription factor	385306017	4	nd	d	nd	nd	d	nd	d	nd	nd	nd	nd
putative protein lysine methyltransferase set5	385304201	2	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
carboxypeptidase y precursor	385303976	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
s-adenosyl-l-homocysteine hydrolase	385302959	2	nd	d	nd	nd	nd	d	nd	nd	nd	nd	nd
DNA-binding protein	385301012	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative sur7 family cortical patch protein	385301453	2	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	d
transcriptional modulator	385302237	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
izh2p	385305899	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3045	385302996	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
dna helicase involved in rDNA replication and ty1 transposition	385304756	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
nuclear condensin complex subunit	385302742	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_2409	385303553	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
putative nuclear DNA repair complex smc ATPase	385303814	2	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	d
nucleoside diphosphate kinase	385302566	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
mitogen-activated protein kinase kinase	385305558	2	nd	d	nd	nd	nd	nd	d	nd	nd	nd	nd
methionyl-tRNA catalyzes the formylation of initiator met-tRNA in mitochondria	385306023	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
vacuolar fusion protein mon1	385305898	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
transcription initiation factor TFIID subunit, putative	385302992	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
mRNA splicing factor RNA helicase	385304849	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
protein phosphorylates the alpha-subunit of translation initiation factor eif2	385305101	3	nd	nd	d	d	nd	nd	d	nd	nd	nd	nd
putative zinc finger transcription factor	385303595	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
s-adenosylmethionine synthetase	385305429	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
tRNA um 2 -o-methyltransferase	385305082	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
map kinase	385301250	2	d	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
golgi-associated retrograde protein	385303618	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

Comparison of proteomic, metabolic, and growth profiles of *Brettanomyces bruxellensis* isolates from Croatian wines.

Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 2 (continued) List of proteins expressed in the tested <i>Brettanomyces bruxellensis</i> isolates and the reference strain.													
Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
triosephosphate isomerase	385304484	3	nd	nd	d	nd	nd	d	nd	d	nd	nd	nd
putative DNAJ-like heat-shock protein	385301859	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
translation initiation factor subunit of the mRNA cap-binding protein complex	385301841	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
heat shock protein hsp20	385305335	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
flavohemoprotein	385305723	3	nd	nd	nd	d	nd	d	nd	d	nd	nd	nd
60s ribosomal protein l8-b	385306057	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
ribosome biogenesis protein	385301151	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
phosphoenolpyruvate carboxykinase	385301565	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
sumo activating enzyme	385301716	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
iah1p	385302842	3	nd	nd	nd	nd	d	d	d	nd	nd	nd	nd
ribonucleoside-diphosphate reductase small chain	385302064	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
zinc finger protein	385302664	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
delta-1-pyrroline-5-carboxylate dehydrogenase	385303472	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
ydj1p	385301858	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
NADH-cytochrome b5 reductase	385303263	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
putative vacuolar polyphosphate synthetase	385302818	2	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	d
glycerol dehydrogenase	385303323	2	nd	nd	nd	d	nd	d	nd	nd	nd	nd	nd
duf757 domain-containing protein	385302279	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
carrier protein	385302102	4	nd	nd	nd	nd	d	d	d	d	nd	nd	nd
putative ccr4 associated factor caf17p	385302601	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
cell differentiation protein rcd1	385305804	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
putative nuclear condensin complex subunit h	385305233	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
glutamyl-tRNA synthetase	385305573	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
ymr295c-like protein	385302634	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0862	385305261	2	nd	nd	nd	nd	d	d	nd	nd	nd	nd	nd
yil096c-like protein	385304374	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
nucleolar protein	385305083	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
histone acetyltransferase	385305394	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
shwachman-bodian-diamond syndrome protein	385302572	2	nd	nd	nd	nd	nd	nd	d	d	nd	nd	nd
c2h2 finger domain protein	385301478	3	nd	nd	d	nd	d	nd	nd	nd	nd	nd	d
putative c1-tetrahydrofolate synthase	385301376	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
rap1-interacting involved in establishment of repressed chromatin	385303027	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
dolichyl phosphate-mannose:protein o-mannosyltransferase	385305571	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
arginyl-tRNA synthetase	385305847	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
class e vacuolar-protein sorting and endocytosis factor	385303212	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
o-acetylhomoserine sulfhydrylase	385306050	2	nd	d	nd	nd	nd	nd	nd	nd	d	nd	nd
chromatin remodelling complex ATPase chain isw1	385302379	2	nd	nd	d	nd	nd	nd	nd	nd	nd	d	nd
inorganic pyrophosphatase	385303660	8	nd	nd	d	d	d	d	d	d	nd	d	d
transcription initiation factor TFIIF middle subunit	385304830	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative protein kinase	385301849	4	nd	d	d	nd	nd	nd	nd	nd	d	nd	d

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
camp-dependent protein kinase catalytic subunit	385302173	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_2124	385303921	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
ygr012w-like protein	385301093	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_0454	385305616	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative autophagy-related protein kinase atg1	385305901	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
glycosyl transferase family protein	385301877	3	nd	nd	nd	nd	d	nd	d	nd	nd	d	nd
NADH-ubiquinone oxidoreductase 51 kDa subunit	385303377	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
srb7p	385305938	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
lysyl-tRNA synthetase	385304454	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
swr1-complex protein 3	385305396	2	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	d
argininosuccinate synthase	385303232	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
60s acidic ribosomal protein p2	385304608	4	d	nd	d	d	nd	nd	d	nd	nd	nd	nd
3-methyladenine DNA glycosylase	385305619	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
DNA repair helicase rad3	385302835	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
transcriptional activator protein gcn20	385304548	2	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	d
protein component of the h aca snornp pseudouridylation complex	385304886	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
with of the mitochondrial inner membrane m-aaa protease	385304236	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
like protein kif3a	385304515	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
phosphoacetylglucosamine mutase	385302221	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
putative mitochondrial protein	385301073	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hsp78p	385301538	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
ATP-dependent clp ATP-binding subunit	385305094	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1984	385301356	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
hypothetical protein AWRI1499_3282	385304064	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
heat shock protein hsp88	385302712	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
pre-rRNA-processing protein esf2	385303999	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
patatin-like phospholipase domain-containing protein	385302938	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
oxidation resistance protein 1	385305001	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
npl3p	385304575	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ubc6p	385305161	2	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	d
secretion lowering protein	385306034	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
specificity factor required for Rsp5p-dependent ubiquitination	385305160	2	nd	d	nd	nd	d	nd	nd	nd	nd	nd	nd
cytosolic j-domain-containing protein	385304952	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
60s acidic ribosomal protein p0	385305504	2	d	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
putative u3 snornc protein utp6p	385303749	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
protein mitochondrial precursor coq6p	385304901	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative g2 b-type cyclin	385301545	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
glutathione synthetase	385301298	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
histone H3	385304656	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative regulator of cell polarity component of the rsc chromatin remodeling complex	385301531	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
	385303878	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
	385301599	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
	385301587	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
eukaryotic initiation factor 4a	385304324	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
subunit of cleavage polyadenylation factor	385301071	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
rho-type GTPase-activating protein	385301143	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
basic leucine zipper transcription factor of the atf creb activates transcription of	385302299	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
co-chaperone that stimulates the ATPase activity of the hsp70 protein ssc1p	385304889	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
isomaltase	385301605	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative p-nitrophenyl phosphatase	385302526	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative intra-golgi transport complex subunit 8	385301418	2	nd	nd	nd	d	d	nd	nd	nd	nd	nd	nd
NADPH-dependent medium chain alcohol dehydrogenase with broad substrate specificity	385305880	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
serine mitochondrial precursor	385305298	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
hypothetical protein AWRI1499_3184	385302819	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ylr326w-like protein	385306046	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
3-phosphoglycerate dehydrogenase	385302510	4	nd	nd	d	d	nd	nd	nd	nd	nd	d	d
hypothetical protein AWRI1499_4583	385301367	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3908	385302033	2	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	d
mitochondrial peroxiredoxin prx1	385304076	10	d	d	d	d	d	nd	d	d	d	d	d
heat shock protein 104	385303591	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
largest subunit of the origin recognition complex	385302985	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
filament-forming protein	385301164	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
26s protease regulatory subunit 7	385302411	3	nd	nd	d	nd	nd	nd	nd	nd	d	d	nd
fad-linked sulfhydryl oxidase mitochondrial precursor	385303167	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
DNA replication licensing factor mcm3	385303725	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
ribosomal large	385304635	2	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	d
condensin complex component cnd2	385305228	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
eukaryotic translation initiation factor 2 gamma subunit	385305346	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
bleomycin resistance	385303650	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
splicing factor 3b subunit	385304589	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
60s ribosomal protein l25	385303433	3	nd	nd	nd	d	d	nd	nd	nd	nd	nd	d
sporulation specific protein that localizes to the spore wall	385301232	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
fad synthetase	385304785	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
sso2p	385303991	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
nucleosome binding protein	385302209	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative transmembrane protein	385301466	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ubiquitin-specific protease	385302493	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	d
membrane dipeptidase	385301635	2	d	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
aim41-like protein	385301702	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ylr253w-like protein	385301873	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NADPH reductase	385302245	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
dolichol kinase	385303918	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
ygr017w-like protein	385304967	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
TFIIE small involved in RNA polymerase II transcription initiation	385304451	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
cytokinesis protein sepa	385305703	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_4537	385301430	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
nrp1p	385302034	2	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	d
capsule synthesis	385300918	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
50s ribosomal protein l17	385303260	2	nd	nd	d	nd	nd	nd	nd	d	nd	nd	nd
ATP-dependent RNA helicase dbp9 (dead-box protein 9)	385305572	3	nd	nd	nd	d	nd	nd	nd	nd	d	d	nd
conserved fungal protein cfp1	385302759	2	d	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
exocyst complex component exo84	385303364	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
nuclear pore protein involved in nuclear export of pre-tRNA	385304686	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
tgf beta-inducible nuclear protein 1	385303895	3	nd	nd	nd	d	nd	nd	d	nd	nd	d	nd
hypothetical protein AWRI1499_1007	385305061	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
putative RNA polymerase I and III shared subunit rpb19	385301731	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
acid phosphatase	385301638	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
saccharopine dehydrogenase	385303734	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
cdc11p	385301481	2	nd	nd	d	nd	nd	d	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3333	385302665	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
60s ribosomal protein l10a	385304721	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
fpr1p	385303578	9	nd	d	d	d	d	d	d	nd	d	d	d
ubiquitin c-terminal hydrolase family protein	385305698	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
protein along with and for synthesis of diphthamide	385305769	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
rho GTPase activating protein	385304352	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
fad transporter	385302475	2	d	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3644	385302352	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
protein component of the large ribosomal subunit	385302847	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
prohibitin-like protein	385302062	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
GTP binding elongation factor 1 alpha-like protein	385301958	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
camp-dependent protein kinase regulatory subunit	385302590	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
chromatin assembly subunit p90	385305037	3	nd	d	nd	nd	nd	nd	d	d	nd	nd	nd
tye7p	385301302	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
cell division control protein 68	385303218	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
seryl-tRNA synthetase	385302569	4	d	nd	nd	nd	d	nd	nd	d	d	nd	nd
hypothetical protein AWRI1499_1406	385304672	2	nd	nd	nd	nd	d	nd	nd	d	nd	nd	nd
glucose-6-phosphate isomerase	385303252	8	nd	d	d	d	d	d	d	d	nd	d	nd
20s cyclosome subunit (nuc2 cdc27)	385306069	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_2619	385303391	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
protein kinase c	385301395	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3418	385302581	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
carboxypeptidase y	385301734	5	nd	d	nd	d	nd	d	d	nd	nd	nd	nd
ysr3p	385302212	2	nd	nd	d	d	nd	nd	nd	nd	nd	nd	nd
constituent of pre-ribosomal ribosomal biogenesis	385305629	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd

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Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

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Am J Enol Vitic 70:77-87. doi: 10.5344/ajev.2018.18025

Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
uracil phosphoribosyltransferase	385304877	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
transcription elongation factor	385303679	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
nedd8-activating enzyme e1 regulatory catalytic subunit of 1,3-beta-D-glucan synthase	385301490	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4127	385301853	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
rsc58p	385305073	2	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	d
hypothetical protein AWRI1499_4943	385300941	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
putative t-snare-interacting protein sly1p	385302778	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
hypothetical protein AWRI1499_4148	385301814	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
aaa family	385304642	2	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	d
mls1	385305057	4	d	nd	nd	d	d	nd	nd	nd	nd	d	nd
endosomal p24a protein precursor	385303928	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
nuclear migration	385302052	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
pre-mRNA splicing factor ATP-dependent RNA helicase prp43	385303418	2	d	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
nop13p	385301669	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
histidinol dehydrogenase	385303314	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
myosin-like protein associated with the nuclear envelope	385301165	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
60s ribosomal protein l13	385302521	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
ccr4-not transcription subunit 3	385302321	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
6-Phosphogluconate dehydrogenase	385305854	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
tRNA pseudouridine synthase	385304790	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
NII2P-like, possibly involved in nitrite transport	385305267	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
anaerobic ribonucleoside-triphosphate reductase	385302266	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
DEHA2G18788p-like protein	385301686	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
60s ribosomal protein l10	385301352	9	d	d	d	d	d	nd	d	d	nd	d	d
bud site selection protein	385303764	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
udp-glucose:sterol glucosyltransferase	385301329	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
serine threonine-protein kinase kin28	385304951	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4108	385301834	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
amp deaminase	385301708	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
hypothetical protein AWRI1499_2574	385303454	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
mitochondrial outer membrane protein involved in mitochondrial shape	385305466	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
actin	385303856	7	nd	nd	nd	d	nd	d	nd	d	d	d	d
vacuolar protein sorting vps16	385305085	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
rml2p	385305909	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
hypothetical protein AWRI1499_2408	385303552	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
putative sulfate transporter	385305602	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
tRNA-dihydrouridine synthase 2	385303832	2	nd	nd	nd	nd	nd	d	nd	nd	d	nd	nd
GTP-binding nuclear protein gsp1 ran	385305414	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
ada histone acetyltransferase complex component	385301062	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
glutamate decarboxylase	385303979	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
yhr131c-like protein	385305603	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
part of small ribosomal subunit processosome (contains u3 snoRNA)	385305108	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
homocitrate mitochondrial precursor	385304058	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
acetoxyhydroxyacid reductoisomerase	385304108	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
uracil-DNA glycosylase	385304682	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
rnp-1 like RNA-binding protein	385304547	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
lactate transporter	385301864	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
activator 1 40 kDa subunit	385302248	2	d	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
protein snq2	385303511	2	nd	nd	nd	nd	d	nd	d	nd	nd	nd	nd
phenylalanyl-tRNA mitochondrial precursor	385302246	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
mitochondrial ATP-dependent RNA helicase of the dead-box family	385304792	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
protein phosphatase	385304689	2	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	d
protein phosphatase 2a regulatory b subunit	385305225	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
aldose reductase	385305632	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
aromatic amino acid aminotransferase	385302588	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
kinesin-related motor	385301160	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
mitochondrial cytochrome	385301477	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
40s ribosomal protein s20	385302444	8	d	nd	d	d	d	d	d	d	nd	nd	d
translation elongation factor 2	385301947	2	nd	nd	d	nd	d	nd	nd	nd	nd	nd	nd
ATPase-stabilizing factor 15 kDa protein	385301674	4	d	d	nd	nd	nd	nd	nd	nd	d	d	nd
putative mRNA deadenylase and ccr4-not complex subunit cdc36p	385305828	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
RNA lariat debranching enzyme	385302419	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
acetyl- propionyl-coenzyme a carboxylase alpha chain	385304298	3	nd	d	d	nd	nd	nd	nd	nd	nd	d	nd
dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex	385304048	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
effector of rab GTPase forms a complex with sec4p and t-snare sec9p	385304461	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
ymr066w-like protein	385301689	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
ppz1p	385301181	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
beta-isopropylmalate dehydrogenase	385304858	2	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	d
tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase	385304332	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
putative u3 snornc protein utp20p	385302639	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
methylthio-ribulose-1-phosphate dehydratase	385304671	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
40s ribosomal protein s10	385303039	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
GTPase-activating protein	385305120	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
adhesion and aggregation factor	385304851	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
acetylornithine deacetylase	385305065	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
40s ribosomal protein s7-a	385302105	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
o-methyltransferase	385305850	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
diadenosine 5' - tetraphosphate phosphorylase II (ap4a phosphorylase)	385301394	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
ras GTPase activating	385302786	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
phosphatidylinositol 4-kinase	385303594	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd

Supplemental Data for:

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
putative translation-regulating helicase	385304705	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
protein disulfide isomerase	385303126	6	d	nd	d	d	d	d	nd	nd	nd	d	nd
pep12p	385302300	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
carnitine acetyltransferase	385305337	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
mRNA splicing protein	385306095	2	nd	nd	nd	nd	nd	d	d	nd	nd	nd	nd
beta-galactosidase	385301016	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
60s ribosomal protein l7	385304857	5	nd	nd	nd	d	d	d	nd	nd	d	nd	d
putative compass histone methyltransferase subunit set1p	385305977	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
RNA binding domain-containing protein	385303131	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
saga-associated factor 11	385304022	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_4359	385301613	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
pyridoxal reductase	385305537	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative tea atts type DNA binding protein	385304599	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
60s ribosomal protein l44	385305606	9	nd	d	d	d	d	d	d	d	d	d	nd
gex interacting protein family member (gei-17)	385304061	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
formin (bud-site selection polarity protein)	385305815	3	nd	d	nd	nd	nd	d	nd	nd	nd	d	nd
phosphoribosylformylglycinamide cyclo-ligase	385301826	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
peptide transporter ptr2	385302422	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
casein kinase II subunit alpha	385302593	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
serine threonine protein	385301353	4	d	nd	d	nd	nd	nd	nd	d	nd	nd	d
phenylalanyl-tRNA synthetase beta chain	385304531	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
ymr074c-like protein	385303275	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
global transcription activator swi1p	385301515	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
yml030w-like protein	385302432	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
putative fe 2-oxoglutarate-dependent dioxygenase	385305843	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
oligosaccharyl transferase stt3 subunit	385303141	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
aminophospholipid translocase	385301318	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
hypothetical protein AWRI1499_1061	385304938	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
smad anchor for receptor activation	385305917	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
sulfite reductase beta subunit	385302908	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_2593	385303473	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
rad53p	385301235	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
noc3p	385301439	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
origin recognition complex subunit 2	385305286	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
putative ion transporter	385302480	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
peptidyl-prolyl cis-trans isomerase cyp7	385303432	2	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	d
protein interacting with poly -binding protein pab1p	385304979	2	nd	nd	nd	nd	d	d	nd	nd	nd	nd	nd
heat shock protein 70	385305238	9	d	d	d	d	d	nd	d	nd	d	d	d
alpha subunit of the f1 sector of mitochondrial f1f0 ATP synthase	385302679	2	nd	nd	nd	d	nd	d	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4825	385301084	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
nuclear pore complex subunit	385301760	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd

Supplemental Data for:

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
peptidyl-prolyl cis-trans isomerase of the endoplasmic reticulum	385300980	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
methionine synthase	385305389	4	d	nd	d	nd	d	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_1742	385304305	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
leucyl-tRNA synthetase	385302897	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
respiratory growth induced protein 1	385304459	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
mRNA cleavage and polyadenylation specificity factor complex subunit ysh1	385305954	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
mitotic exit network forms GTPase-activating bfa1p-bub2p complex	385305446	3	d	nd	nd	nd	nd	nd	nd	d	d	nd	nd
hypothetical protein AWRI1499_3540	385302448	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
phosphofructokinase beta-subunit	385304848	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
protein puf6	385302417	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
mitochondrial DNA replication protein rad52p	385302098	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
rad52p	385305692	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
protein sur2	385303837	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
formin binding protein	385302467	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
coproporphyrinogen III oxidase	385304500	3	nd	nd	nd	nd	d	nd	d	d	nd	nd	nd
membrane protein	385302008	3	nd	d	nd	nd	nd	nd	d	nd	d	nd	nd
aspartic beta semi-aldehyde dehydrogenase	385303361	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
n-linked glycosylation-like protein	385302528	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
40s ribosomal protein s2	385302511	2	nd	d	nd	nd	nd	nd	nd	d	nd	nd	nd
putative hsf-type DNA binding transcription factor	385305587	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
acetyl- carboxylase	385302073	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
hypothetical protein AWRI1499_4858	385301039	2	nd	nd	d	nd	nd	nd	nd	d	nd	nd	nd
scaffold protein scd2	385302120	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
vacuolar import and degradation protein 28	385303755	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
proteasome activator subunit	385303651	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
ribosome biogenesis protein bms1	385304716	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
ras-related c3 botulinum toxin substrate 1 precursor	385302979	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
acetolactate mitochondrial precursor	385301363	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
ca2+-transporting p-type ATPase	385305363	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
3-hydroxyisobutyryl- hydrolase	385301900	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
transcription elongation factor s-II	385304648	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_3080	385302926	2	nd	nd	nd	nd	nd	d	nd	d	nd	nd	nd
u4 tri-snrrp-associated protein 1	385302374	2	nd	d	d	nd	nd	nd	nd	nd	nd	nd	nd
yjr096w-like protein	385303084	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
60s ribosomal protein l18	385303328	2	nd	d	nd	nd	d	nd	nd	nd	nd	nd	nd
putative DNA binding component of sbf	385304406	3	nd	d	nd	nd	d	nd	nd	nd	nd	nd	d
suppressor of kinetochore protein 1	385302859	2	d	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
cytochrome p450	385302907	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_1942	385304095	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
transporter mitochondrial precursor	385301033	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
succinate-semialdehyde dehydrogenase	385303233	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
hydroxymethylglutaryl- synthase	385304587	2	nd	d	nd	nd	nd	nd	nd	nd	nd	d	nd
mitochondrial forms a heterodimer complex with mss1p	385302452	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd

Supplemental Data for:

Križanović S, Gracin L, Cindrić M, Tomašević M, Kelšin K, Lukić K and Kovačević Ganić K.

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
carboxypeptidase b-like processing protease	385305138	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
calnexin	385302587	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
40s ribosomal protein s11	385301869	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
DNA repair protein	385302998	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
60s ribosomal	385302196	7	d	d	d	d	d	d	d	nd	nd	nd	nd
beta alanine synthase	385304274	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_4868	385301024	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
coatome alpha subunit	385302626	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
cysteine synthase	385304873	6	nd	d	d	d	nd	nd	d	nd	d	d	nd
fun19p	385305842	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
alpha-aminoadipate reductase	385302322	2	d	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
protein sof1	385305370	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
serine threonine protein kinase	385305608	2	nd	nd	nd	d	nd	nd	nd	d	nd	nd	nd
cell cycle control protein	385301884	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
RNA polymerase III c11 subunit	385305484	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
mitochondrial import inner membrane translocase subunit tim10	385304644	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
60s ribosomal protein l3	385305996	11	d	d	d	d	d	d	d	d	d	d	d
amphiphysin-like lipid raft protein	385304243	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
hypothetical protein AWRI1499_3690	385302241	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
cell wall protein that contains a gpi-attachment site	385306030	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
vacuolar ATP synthase subunit d	385305810	3	nd	nd	d	d	nd	nd	nd	d	nd	nd	nd
calcium ion transporter	385301138	2	nd	nd	d	nd	d	nd	nd	nd	nd	nd	nd
GTP GDP exchange	385301075	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
mitochondrial processing peptidase	385301173	2	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	d
hypothetical protein AWRI1499_3377	385302643	2	nd	d	nd	nd	nd	nd	d	nd	nd	nd	nd
cysteinyI-tRNA synthetase	385302349	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
aminophospholipid translocase phospholipid-transporting	385304667	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
DNA-directed RNA polymerase i	385302821	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
yd124w-like protein	385303429	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
C6 transcription factor (OTam)	385305487	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
actin-related protein	385305800	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3543	385302450	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
cytoskeletal adaptor protein	385301509	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
isoleucyl-tRNA synthetase	385303334	5	nd	nd	nd	nd	nd	d	d	d	nd	d	d
putative zinc finger protein	385304950	1	nd	nd	nd	d	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_3058	385302944	2	nd	nd	nd	nd	nd	nd	nd	d	d	nd	nd
protein phosphatases pp1 regulatory subunit sds22	385302796	2	nd	nd	nd	nd	nd	d	nd	nd	nd	d	nd
hypothetical protein AWRI1499_0955	385305063	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
myosin i	385302458	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
u3 small nucleolar RNA-associated u3 snorhp	385305272	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
p-type ATPase sodium involved in na+ and li+ efflux to allow salt tolerance	385301307	2	nd	nd	nd	nd	nd	nd	d	nd	nd	d	nd
hypothetical protein AWRI1499_4520	385301413	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
acyl-binding protein 2	385303712	7	d	d	d	nd	nd	nd	d	d	nd	d	d
nucleolar GTP-binding protein 1	385305718	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd

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Supplemental Table 2 (continued) List of proteins expressed in the tested *Brettanomyces bruxellensis* isolates and the reference strain.

Protein name	NCBI accession number	No. of tested isolates expressing protein	Isolate										
			CBS 2499	KLV 11	KLV 13	KLV 14	KLV 15	KLV 16	KLV 17	KLV 18	KLV 19	KLV 21	KLV 22
guanyl-nucleotide exchange factor for the small g-protein sec4p	385305782	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
glyceraldehyde-3-phosphate dehydrogenase	385303430	11	d	d	d	d	d	d	d	d	d	d	d
peroxin 20	385304295	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
putative ubiquitin ligase tom1p	385305727	2	nd	nd	nd	d	nd	nd	nd	nd	nd	d	nd
hypothetical protein AWRI1499_1400	385304666	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
anaphase-promoting complex subunit	385305889	3	d	nd	nd	nd	nd	nd	d	nd	nd	nd	d
cytoplasmic dynein heavy chain	385302084	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
u4 u6 small nuclear ribonucleoprotein prp4	385301717	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
Imbr1-like conserved region containing protein	385301752	2	d	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
putative mRNA decapping enzyme dcp1p	385304189	2	nd	nd	nd	nd	d	nd	nd	nd	d	nd	nd
peroxisomal biogenesis factor 6	385303271	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
protein transport protein sec61 alpha subunit	385302028	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
acidic ribosomal protein p2b	385302239	7	d	nd	d	d	d	d	d	d	nd	nd	nd
polyamine n-acetyl transferase	385305617	1	nd	d	nd	nd	nd	nd	nd	nd	nd	nd	nd
mitochondrial carrier protein	385303987	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
d-lactate dehydrogenase mitochondrial precursor	385301336	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd
putative autophagy-related wd40 domain protein atg18	385302006	2	nd	nd	nd	nd	nd	d	nd	nd	nd	d	nd
phosphoglycerate kinase	385303457	11	d	d	d	d	d	d	d	d	d	d	d
RNA-binding protein	385306067	1	d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
hypothetical protein AWRI1499_1739	385304302	3	nd	d	nd	nd	d	nd	d	nd	nd	nd	nd
putative ccr4-not complex associated factor caf130p	385302711	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
protein that contains a phox homology domain and binds phosphoinositides	385301768	1	nd	nd	nd	nd	nd	nd	nd	nd	d	nd	nd
lin1 family protein	385302048	2	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	d
hypothetical protein AWRI1499_2789	385303215	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
aldo keto reductase	385304219	2	nd	nd	nd	nd	nd	nd	nd	nd	d	d	nd
DNA replication licensing factor	385305930	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	d	nd
ykl215c-like protein	385305252	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
suppressor protein stm1	385303964	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
putative cytosolic ribosomal protein s24	385303569	11	d	d	d	d	d	d	d	d	d	d	d
putative mate family drug sodium antiporter	385306086	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	d
alpha-mannosidase	385302515	1	nd	nd	nd	nd	nd	d	nd	nd	nd	nd	nd
yer156c-like protein	385305986	1	nd	nd	d	nd	nd	nd	nd	nd	nd	nd	nd
pre-mRNA splicing factor	385304710	1	nd	nd	nd	nd	nd	nd	nd	d	nd	nd	nd
bud site selection	385305317	1	nd	nd	nd	nd	nd	nd	d	nd	nd	nd	nd
prd1p	385301180	1	nd	nd	nd	nd	d	nd	nd	nd	nd	nd	nd

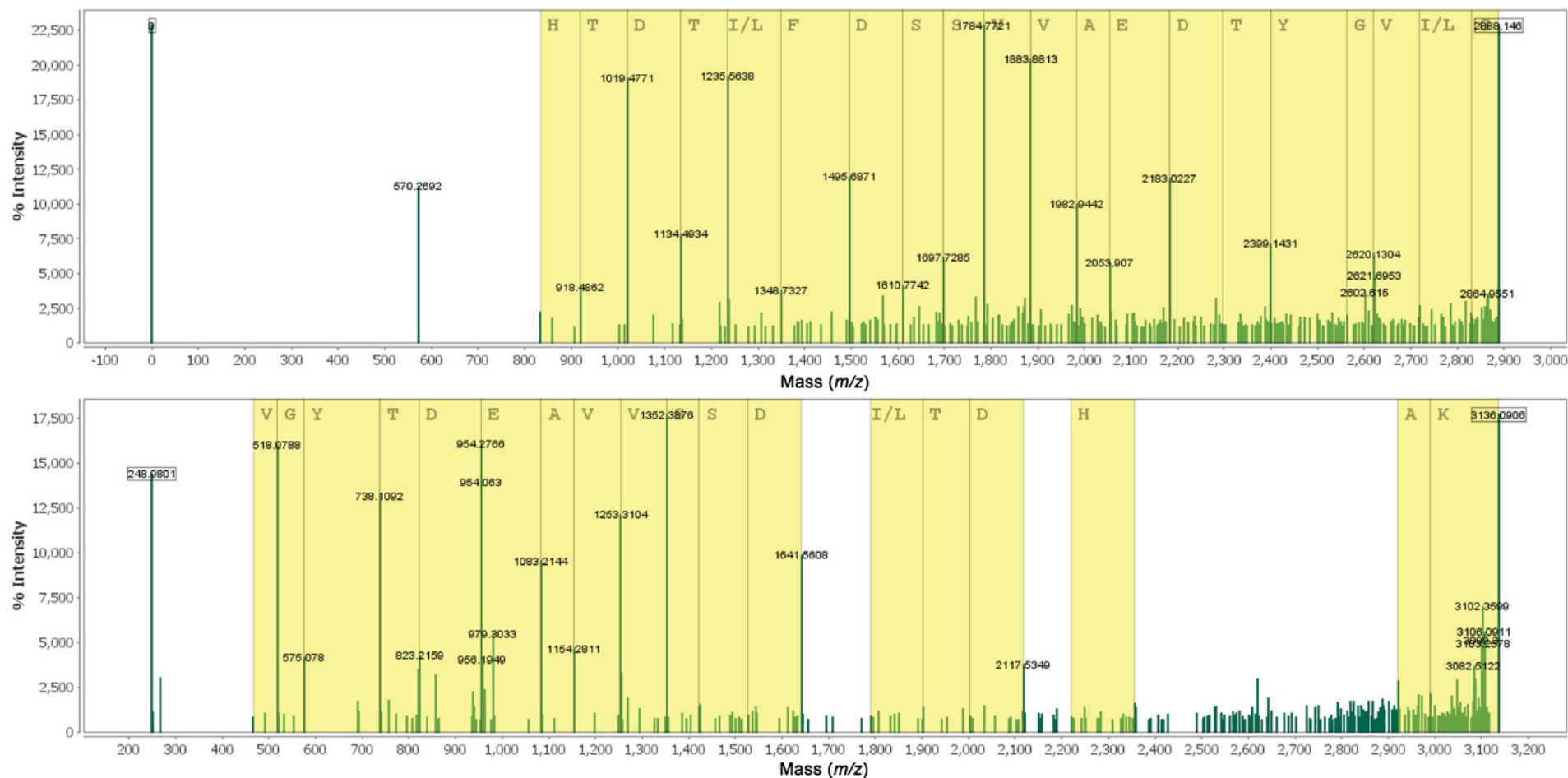
d-detected; nd-not detected.

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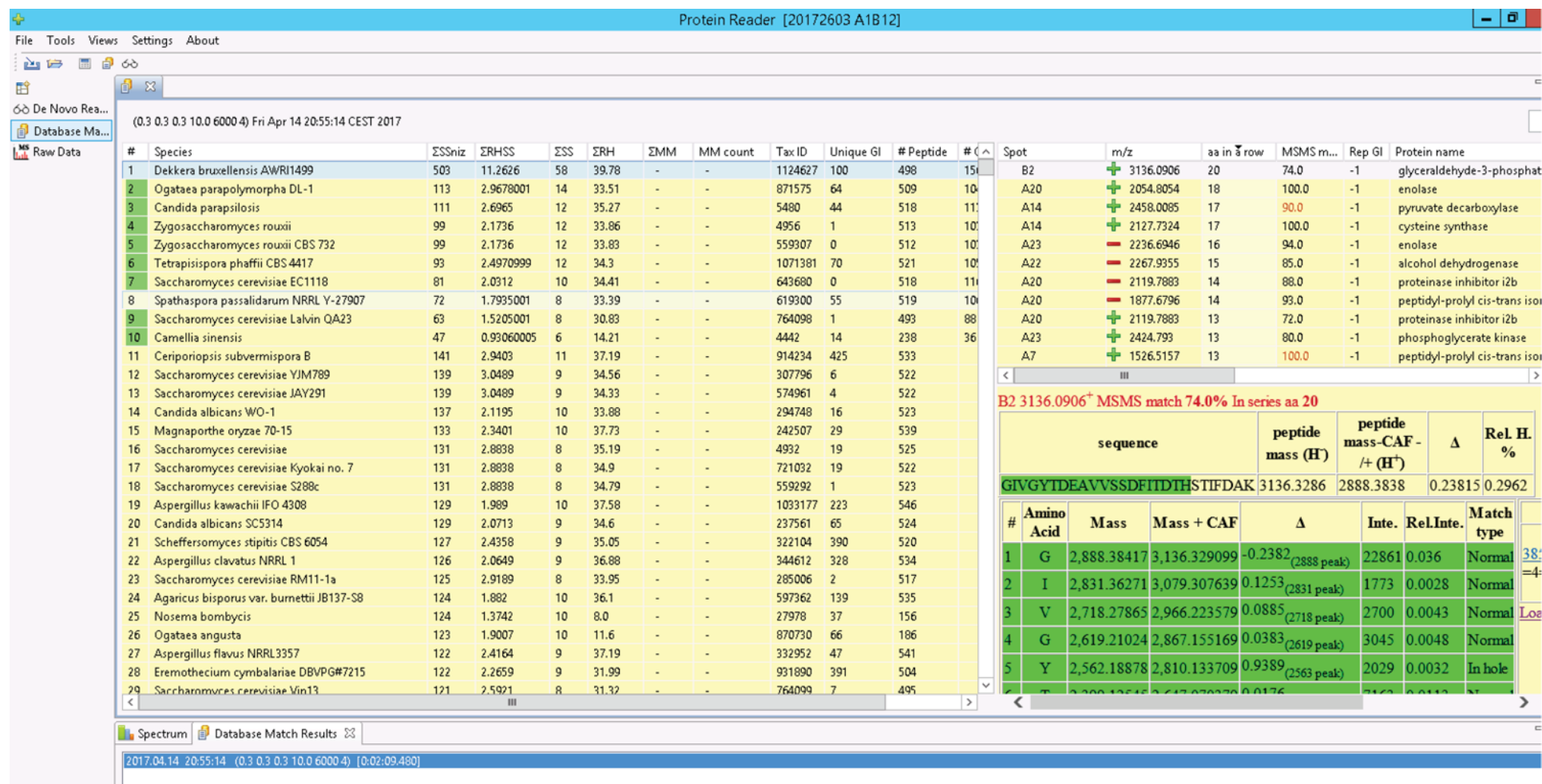
Supplemental Figure 1 MALDI-MS-MS spectra of the GIVGYTDEAVVSSDFITDTHSTIFDAK peptide in positive (upper) and negative (lower) ion mode (peptide m/z 3136.3286 in negative mass spectrometry (MS) of intact peptide after CAF-/CAF+ derivatization). The peptide was assigned according to the NCBI *nr* protein database for *Dekkera/Brettanomyces bruxellensis*. This figure has been added as a Microsoft PowerPoint file. In protein identification, only a perfect match was used for identification. A perfect match was achieved by positive- and negative-ion mode matching. Matching was achieved for a minimum of four amino acids in a row obtained in positive and negative MS-MS of the same peptide. 1.5% (12 proteins) of the total number of proteins were expressed in all data sets, which means that they could be used as biomarkers in *Dekkera/B. bruxellensis* yeast identification. Mismatch parameters are described in Butovac et al. (2016) and on the website <http://rapidcell.proteinreader.com/maldi-msms-biotypization-protocol/>.

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Supplemental Figure 2 ProteinReader feature NCBI *nr* database match has been added as a Microsoft PowerPoint file. The CAF-/CAF+ method enables *de novo* sequencing of derivatized peptides with negative and positive-ion mode tandem mass spectrometry (MS-MS⁻ and MS-MS⁺). Peptide sequences are read from MS-MS spectra and matched against those in the the entire NCBI *nr* database by a software named ProteinReader and confirmed by MS data of elucidated peptide mass sequences derived from the annotated genome. Matches for each peptide were sorted in the *Dekkera/Brettanomyces bruxellensis* subgroup of peptide hits.