**Supplementary Dataset 3. Amino acid sequences for all 2679 proteins in *B. pilosicoli* B2904, complete genome (FASTA file).**

>fig|6666666.171271.peg.1

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YFVLSIIGILTSFNIYILSSMIFYISIFYLLVVGFLNYKNIEDKTIKFIVKVLGIITILI

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NDNVGYIKINKNKLLTLIKNISSINFDDYDNKFFYKNIFDIRDDYYNYYDIESAYSRLNN

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ICKSCKSE

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PDS

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>fig|6666666.171271.peg.52

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>fig|6666666.171271.peg.63

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>fig|6666666.171271.peg.107

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>fig|6666666.171271.peg.131

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>fig|6666666.171271.peg.134

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>fig|6666666.171271.peg.136

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>fig|6666666.171271.peg.141

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>fig|6666666.171271.peg.142

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>fig|6666666.171271.peg.144

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>fig|6666666.171271.peg.145

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>fig|6666666.171271.peg.146

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>fig|6666666.171271.peg.147

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>fig|6666666.171271.peg.148

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>fig|6666666.171271.peg.149

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>fig|6666666.171271.peg.151

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>fig|6666666.171271.peg.152

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>fig|6666666.171271.peg.153

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>fig|6666666.171271.peg.154

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>fig|6666666.171271.peg.155

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>fig|6666666.171271.peg.157

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PYIEFGALQ

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NRK

>fig|6666666.171271.peg.162

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>fig|6666666.171271.peg.163

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>fig|6666666.171271.peg.164

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>fig|6666666.171271.peg.165

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>fig|6666666.171271.peg.168

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>fig|6666666.171271.peg.186

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>fig|6666666.171271.peg.187

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>fig|6666666.171271.peg.193

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>fig|6666666.171271.peg.1055

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>fig|6666666.171271.peg.1059

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>fig|6666666.171271.peg.1438

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>fig|6666666.171271.peg.1442

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>fig|6666666.171271.peg.1443

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>fig|6666666.171271.peg.1447

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>fig|6666666.171271.peg.1449

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>fig|6666666.171271.peg.1450

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LDLVNYCKDMVKKIDLKDVERKISDTIKTKKEEMKRDEMKEEGNEKNYKKENNKKSSSMD

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>fig|6666666.171271.peg.1930

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>fig|6666666.171271.peg.1933

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>fig|6666666.171271.peg.1935

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>fig|6666666.171271.peg.1936

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>fig|6666666.171271.peg.1938

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>fig|6666666.171271.peg.1942

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>fig|6666666.171271.peg.1943

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>fig|6666666.171271.peg.1944

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>fig|6666666.171271.peg.1945

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>fig|6666666.171271.peg.1946

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>fig|6666666.171271.peg.1947

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>fig|6666666.171271.peg.1948

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>fig|6666666.171271.peg.1949

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K

>fig|6666666.171271.peg.1950

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>fig|6666666.171271.peg.1951

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>fig|6666666.171271.peg.1952

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>fig|6666666.171271.peg.1953

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>fig|6666666.171271.peg.1954

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>fig|6666666.171271.peg.1955

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>fig|6666666.171271.peg.1956

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>fig|6666666.171271.peg.1957

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>fig|6666666.171271.peg.1958

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>fig|6666666.171271.peg.1960

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>fig|6666666.171271.peg.1961

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>fig|6666666.171271.peg.1978

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DKIIRN

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>fig|6666666.171271.peg.2017

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>fig|6666666.171271.peg.2019

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>fig|6666666.171271.peg.2020

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>fig|6666666.171271.peg.2021

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>fig|6666666.171271.peg.2022

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>fig|6666666.171271.peg.2025

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>fig|6666666.171271.peg.2028

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>fig|6666666.171271.peg.2029

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>fig|6666666.171271.peg.2030

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>fig|6666666.171271.peg.2032

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>fig|6666666.171271.peg.2033

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>fig|6666666.171271.peg.2035

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>fig|6666666.171271.peg.2038

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>fig|6666666.171271.peg.2040

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>fig|6666666.171271.peg.2043

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>fig|6666666.171271.peg.2044

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>fig|6666666.171271.peg.2045

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>fig|6666666.171271.peg.2046

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>fig|6666666.171271.peg.2048

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>fig|6666666.171271.peg.2050

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>fig|6666666.171271.peg.2052

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>fig|6666666.171271.peg.2056

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>fig|6666666.171271.peg.2057

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>fig|6666666.171271.peg.2058

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>fig|6666666.171271.peg.2059

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>fig|6666666.171271.peg.2060

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>fig|6666666.171271.peg.2061

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>fig|6666666.171271.peg.2063

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>fig|6666666.171271.peg.2064

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>fig|6666666.171271.peg.2343

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>fig|6666666.171271.peg.2379

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