| Group | Species | Habitat | Ne-A-QNR subtilis GI numbers (NCBI) |
|-------|---------|---------|--------------------------------------|
| - | Proteobacteria | | |
| | Bacteroidetes/Chlorobi | FL M | |
| | Bacteroidetes/Chlorobi | FL non-M | |
| - | Planctomycetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL M | |
| | Proteobacteria | FL non-M | |
| - | Actinobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| - | Bacteroidetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |

**A Path: Animal pathogen**

| FL M | Free-living marine
| FL Halt | Free-living marine, halophile
| FL non-M | Free-living non-marine
| FL non-Halt | Free-living non-marine, halophile

**B Path: Human pathogen**

| FL M | Bacteroidetes/Chlorobi
| FL Halt | Aquificae
| FL non-M | Aquificae
| FL non-Halt | Aquificae

**IntE/IntPrt: Intercellular/Intestinal-associated**

**M Path: Marine**

**M Path: Opportunistic human pathogen**

| FL | Planctomycetes

**Int/ExtHalt: Intercellular/intestinal**

**M Path: Opportunistic marine**

**Supplementary Table SI: List of the analyzed bacterial taxa harboring Ne-A-QNR complex.**

| Group | Species | Habitat | Ne-A-QNR subtilis GI numbers (NCBI) |
|-------|---------|---------|--------------------------------------|
| - | Proteobacteria | | |
| | Bacteroidetes/Chlorobi | FL M | |
| | Bacteroidetes/Chlorobi | FL non-M | |
| - | Planctomycetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| - | Actinobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| - | Bacteroidetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |

**A Path: Animal pathogen**

| FL M | Bacteroidetes/Chlorobi
| FL Halt | Bacteroidetes/Chlorobi
| FL non-M | Bacteroidetes/Chlorobi
| FL non-Halt | Bacteroidetes/Chlorobi

**B Path: Human pathogen**

| FL M | Planctomycetes

**IntE/IntPrt: Intercellular/Intestinal-associated**

**M Path: Marine**

**M Path: Opportunistic marine**

| FL | Planctomycetes

**Int/ExtHalt: Intercellular/intestinal**

**M Path: Opportunistic marine**

**Supplementary Table SI: List of the analyzed bacterial taxa harboring Ne-A-QNR complex.**

| Group | Species | Habitat | Ne-A-QNR subtilis GI numbers (NCBI) |
|-------|---------|---------|--------------------------------------|
| - | Proteobacteria | | |
| | Bacteroidetes/Chlorobi | FL M | |
| | Bacteroidetes/Chlorobi | FL non-M | |
| - | Planctomycetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| - | Actinobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| - | Bacteroidetes | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |
| | Proteobacteria | FL | |

**A Path: Animal pathogen**

| FL M | Bacteroidetes/Chlorobi
| FL Halt | Bacteroidetes/Chlorobi
| FL non-M | Bacteroidetes/Chlorobi
| FL non-Halt | Bacteroidetes/Chlorobi

**B Path: Human pathogen**

| FL M | Planctomycetes

**IntE/IntPrt: Intercellular/Intestinal-associated**

**M Path: Marine**

**M Path: Opportunistic marine**

| FL | Planctomycetes

**Int/ExtHalt: Intercellular/intestinal**

**M Path: Opportunistic marine**

**Supplementary Table SI: List of the analyzed bacterial taxa harboring Ne-A-QNR complex.**