

1.

Fraga-García, P.; Haßelt, S.; Díaz-Cano, C.E.; Abarca-Cabrera, L.; Kaveh-Baghbaderani, Y.; Schwaminger, S.P.; **Kube**, M.; Dietz, H. Bio Meets Nano: Protein Exchange in Saline Biocorona on Magnetic Nanoparticles. *Int J Mol Sci* **2025**, *26*, 8995, doi:[10.3390/ijms26188995](https://doi.org/10.3390/ijms26188995).

2.

Ungureanu, C.I.; **Kube**, M.J.; Wilson, T.E.; Metzler-Wilson, K. The Altered Vascular Endothelial Control of Facial Cutaneous Blood Flow in Rosacea. *Acta Derm Venereol* **2025**, *105*, adv42800, doi:[10.2340/actadv.v105.42800](https://doi.org/10.2340/actadv.v105.42800).

3.

Kramer, J.; Zübert, C.; Huettel, B.; **Kube**, M.; Hoelzle, L.E. The Complete Genome of Mycoplasma Cavipharyngis Strain 117C, a Close Relative of Hemotrophic Mycoplasma. *Microbiology Resource Announcement* **2025**, *14*, e0055624, doi:[10.1128/mra.00556-24](https://doi.org/10.1128/mra.00556-24).

4.

Wöhlbrand, L.; Dörries, M.; Siani, R.; Medrano-Soto, A.; Schnaars, V.; Schumacher, J.; Hilbers, C.; Thies, D.; **Kube**, M.; Reinhardt, R.; et al. Key Role of Desulfobacteraceae in C/S Cycles of Marine Sediments Is Based on Congeneric Catabolic-Regulatory Networks. *Sci Adv* **2025**, *11*, eads5631, doi:[10.1126/sciadv.ads5631](https://doi.org/10.1126/sciadv.ads5631).

5.

Toth, R.; Huettel, B.; Varrelmann, M.; **Kube**, M. The 16SrXII-P Phytoplasma GOE Is Separated from Other Stolbur Phytoplasmas by Key Genomic Features. *Pathogens* **2025**, *14*, 180, doi:[10.3390/pathogens14020180](https://doi.org/10.3390/pathogens14020180).

6.

Toth, R.; Huettel, B.; Eini, O.; Varrelmann, M.; **Kube**, M. The Complete Genome Sequence of the Stolbur Pathogen “*Candidatus Phytoplasma Solani*” from Pentastiridius Leporinus. *Microbiol Resour Announc* **2025**, *14*, e0064024, doi:[10.1128/mra.00640-24](https://doi.org/10.1128/mra.00640-24).

7.

Küçükoğlu, B.; Mohammed, I.; Guerrero-Ferreira, R.C.; Ribet, S.M.; Varnavides, G.; Leidl, M.L.; Lau, K.; Nazarov, S.; Myasnikov, A.; **Kube**, M.; et al. Low-Dose Cryo-Electron Ptychography of Proteins at Sub-Nanometer Resolution. *Nat Commun* **2024**, *15*, 8062, doi:[10.1038/s41467-024-52403-5](https://doi.org/10.1038/s41467-024-52403-5).

8.

Böhm, J.W.; Huettel, B.; Schneider, B.; **Kube**, M. The Complete Genome of “*Candidatus Phytoplasma Fraxini*” AshY1 from the Ash Yellows Group. *Microbiol Resour Announc* **2024**, *13*, e0031824, doi:[10.1128/mra.00318-24](https://doi.org/10.1128/mra.00318-24).

9.

Toth, R.; Ilic, A.-M.; Huettel, B.; Duduk, B.; **Kube**, M. Divergence within the Taxon “*Candidatus Phytoplasma Asteris*” Confirmed by Comparative Genome Analysis of Carrot Strains. *Microorganisms* **2024**, *12*, 1016, doi:[10.3390/microorganisms12051016](https://doi.org/10.3390/microorganisms12051016).

10.

Jung-Klawitter, S.; Richter, P.; Yuan, Y.; Welzel, K.; **Kube**, M.; Bähr, S.; Leibner, A.; Flory, E.; Opladen, T. Tyrosine Hydroxylase Variants Influence Protein Expression, Cellular Localization, Stability, Enzymatic Activity and the Physical Interaction between Tyrosine Hydroxylase and GTP Cyclohydrolase 1. *J Inherit Metab Dis* **2024**, *47*, 517–532, doi:[10.1002/jimd.12690](https://doi.org/10.1002/jimd.12690).

11.

Macher, M.; Obermeier, A.; Fabritz, S.; **Kube**, M.; Kempf, H.; Dietz, H.; Platzman, I.; Spatz, J.P. An Efficient Method for the Production of High-Purity Bioinspired Large Unilamellar Vesicles. *ACS Synth Biol* **2024**, *13*, 781–791, doi:[10.1021/acssynbio.3c00540](https://doi.org/10.1021/acssynbio.3c00540).

12.

Zübert, C.; **Kube**, M. Differential Gene Expression of Hymenoscyphus Fraxineus Grown on Fraxinus Excelsior and F. Mandshurica Supplemented Media. *Journal of Plant Diseases and Protection* **2024**, *131*, 1323–1339, doi:[10.1007/s41348-024-00932-y](https://doi.org/10.1007/s41348-024-00932-y).

13.

Toth, R.; Ilic, A.-M.; Huettel, B.; Duduk, B.; **Kube**, M. Divergence within the Taxon ‘*Candidatus* Phytoplasma Asteris’ Confirmed by Comparative Genome Analysis of Carrot Strains. *Microorganisms* **2024**, *12*, 1016, doi:[10.3390/microorganisms12051016](https://doi.org/10.3390/microorganisms12051016).

14.

Müller, F.; Hansen, A.; **Kube**, M.; Arnetz, J.E.; Alshaarawy, O.; Achtyes, E.D.; Holman, H.T. Translation, Cultural Adaptation, and Validation of the PHQ-9 and GAD-7 in Kinyarwanda for Primary Care in the United States. *PLoS One* **2024**, *19*, e0302953, doi:[10.1371/journal.pone.0302953](https://doi.org/10.1371/journal.pone.0302953).

15.

Böhm, J.W.; Zübert, C.; Kahlenberg, G.; Jochner-Oette, S.; **Kube**, M. Load of the Ash Dieback Pathogen Hymenoscyphus Fraxineus Differs in Soil. *Journal of Plant Diseases and Protection* **2024**, *131*, 1399–1410, doi:[10.1007/s41348-024-00970-6](https://doi.org/10.1007/s41348-024-00970-6).

16.

Böhm, J.W.; Huettel, B.; Schneider, B.; **Kube**, M. The Complete Genome of “*Candidatus* Phytoplasma Fraxini” AshY1 from the Ash Yellows Group. *Microbiology Resource Announcements* **2024**, *13*, e00318-24, doi:[10.1128/mra.00318-24%202517%20Metrics%20Total%20Citations2%20%20Total%20Downloads517%20%20Cite%20PDF/EPUB](https://doi.org/10.1128/mra.00318-24%202517%20Metrics%20Total%20Citations2%20%20Total%20Downloads517%20%20Cite%20PDF/EPUB).

17.

Duduk, B.; Ćurčić, Ž.; Stepanović, J.; Böhm, J.W.; Kosovac, A.; Rekanović, E.; **Kube**, M. Prevalence of a ‘*Candidatus* Phytoplasma Solani’-Related Strain Designated as New 16SrXII-P Subgroup over “*Candidatus* Arsenophonus Phytopathogenicus” in Sugar Beet in Eastern Germany. *Plant Dis* **2023**, *107*, 3792–3800, doi:[10.1094/PDIS-04-23-0613-RE](https://doi.org/10.1094/PDIS-04-23-0613-RE).

18.

Abarca-Cabrera, L.; Milinovic, O.; Heitler, V.; Rühmann, B.; Kudermann, J.; **Kube**, M.; Dietz, H.; Sieber, V.; Berensmeier, S.; Fraga-García, P. Biocorona on Iron Oxide Nanoparticles in a Complex Biotechnological Environment: Analysis of Proteins, Lipids, and Carbohydrates. *Small Sci* **2023**, *3*, 2300064, doi:[10.1002/smssc.202300064](https://doi.org/10.1002/smssc.202300064).

19.

Duckeck, D.; Zübert, C.; Böhm, J.W.; Carminati, G.; Schneider, B.; **Kube**, M. Complete Genome of “*Candidatus Phytoplasma Rubi*” RS, a Phytopathogenic Bacterium Associated with Rubus Stunt Disease. *Microbiol Resour Announc* **2023**, *12*, e0130322, doi:[10.1128/mra.01303-22](https://doi.org/10.1128/mra.01303-22).

20.

Duduk, B.; Kosovac, A.; Stepanovic, J.; Rekanovic, E.; Curcic, Z.; Bohm, J.W.; **Kube**, M.; Vuckovic, N.; Duduk, N.; Vico, I. Phytoplasma, Proteobacterium and Fungus in Single and Mixed Infections of Sugar Beet in Central Europe. *Phytopathogenic Mollicutes* **2023**, *13*, 97–98, doi:[10.5958/2249-4677.2023.00049.X](https://doi.org/10.5958/2249-4677.2023.00049.X).

21.

Duduk, B.; Čurčić, Ž.; Stepanović, J.; Böhm, J.W.; Kosovac, A.; Rekanović, E.; **Kube**, M. Prevalence of a ‘*Candidatus Phytoplasma Solani*’-Related Strain Designated as New 16SrXII-P Subgroup over ‘*Candidatus Arsenophonus Phytopathogenicus*’ in Sugar Beet in Eastern Germany. *Plant Disease* **2023**, *107*, 3792–3800, doi:[10.1094/PDIS-04-23-0613-RE](https://doi.org/10.1094/PDIS-04-23-0613-RE).

22.

Bohm, J.W.; Duckeck, D.; Zubert, C.; Carminati, G.; Schneider, B.; Duduk, B.; **Kube**, M. First Insights into the Genome of ‘*Candidatus Phytoplasma Rubi*’ Highlight Effector Protein Repertoire of 16SrV Phytoplasmas. *PHYTOPATHOGENIC MOLLICUTES* **2023**, *13*, 11–12, doi:[10.5958/2249-4677.2023.00006.3](https://doi.org/10.5958/2249-4677.2023.00006.3).

23.

Böhm, J.W.; Duckeck, D.; Duduk, B.; Schneider, B.; **Kube**, M. Genome Comparison of ‘*Candidatus Phytoplasma Rubi*’ with Genomes of Other 16SrV Phytoplasmas Highlights Special Group Features. *Applied Microbiology* **2023**, *3*, 1083–1100, doi:[10.3390/applmicrobiol3030075](https://doi.org/10.3390/applmicrobiol3030075).

24.

Ulrich, K.; Becker, R.; Behrendt, U.; **Kube**, M.; Schneek, V.; Ulrich, A. Physiological and Genomic Characterisation of *Luteimonas Fraxinea* Sp. Nov., a Bacterial Species Associated with Trees Tolerant to Ash Dieback. *Syst Appl Microbiol* **2022**, *45*, 126333, doi:[10.1016/j.syapm.2022.126333](https://doi.org/10.1016/j.syapm.2022.126333).

25.

Pumm, A.-K.; Engelen, W.; Kopperger, E.; Isensee, J.; Vogt, M.; Kozina, V.; **Kube**, M.; Honemann, M.N.; Bertosin, E.; Langecker, M.; et al. A DNA Origami Rotary Ratchet Motor. *Nature* **2022**, *607*, 492–498, doi:[10.1038/s41586-022-04910-y](https://doi.org/10.1038/s41586-022-04910-y).

26.

Bertaccini, A.; Arocha-Rosete, Y.; Contaldo, N.; Duduk, B.; Fiore, N.; Montano, H.G.; **Kube**, M.; Kuo, C.-H.; Martini, M.; Oshima, K.; et al. Revision of the “*Candidatus Phytoplasma*” Species Description Guidelines. *Int J Syst Evol Microbiol* **2022**, *72*, doi:[10.1099/ijsem.0.005353](https://doi.org/10.1099/ijsem.0.005353).

27.

Zübert, C.; Ilic, A.-M.; Duduk, B.; **Kube**, M. The Genome Reduction Excludes the Ribosomal Rescue System in Achleplasmataceae. *Microb Physiol* **2022**, *32*, 45–56, doi:[10.1159/000520450](https://doi.org/10.1159/000520450).

28.

Ulrich, K.; Becker, R.; Behrendt, U.; **Kube**, M.; Schneck, V.; Ulrich, A. Physiological and Genomic Characterisation of *Luteimonas Fraxinea* Sp. Nov., a Bacterial Species Associated with Trees Tolerant to Ash Dieback. *Systematic and Applied Microbiology* **2022**, *45*, 126333, doi:[10.1016/j.syapm.2022.126333](https://doi.org/10.1016/j.syapm.2022.126333).

29.

Bertaccini, A.; Arocha-Rosete, Y.; Contaldo, N.; Duduk, B.; Fiore, N.; Montano, H.G.; **Kube**, M.; Kuo, C.-H.; Martini, M.; Oshima, K. Revision of the 'Candidatus Phytoplasma' Species Description Guidelines. *International Journal of Systematic and Evolutionary Microbiology* **2022**, *72*, 005353, doi:[10.1099/ijsem.0.005353](https://doi.org/10.1099/ijsem.0.005353).

30.

Zübert, C.; **Kube**, M. Application of TaqMan Real-Time PCR for Detecting "Candidatus Arsenophonus Phytopathogenicus" Infection in Sugar Beet. *Pathogens* **2021**, *10*, 1466, doi:[10.3390/pathogens10111466](https://doi.org/10.3390/pathogens10111466).

31.

Ćurčić, Ž.; Kosovac, A.; Stepanović, J.; Rekanović, E.; **Kube**, M.; Duduk, B. Multilocus Genotyping of "Candidatus Phytoplasma Solani" Associated with Rubbery Taproot Disease of Sugar Beet in the Pannonian Plain. *Microorganisms* **2021**, *9*, 1950, doi:[10.3390/microorganisms9091950](https://doi.org/10.3390/microorganisms9091950).

32.

Varga, J.; **Kube**, M.; Luck, K.; Schick, S. The BAF Chromatin Remodeling Complexes: Structure, Function, and Synthetic Lethalities. *Biochem Soc Trans* **2021**, *49*, 1489–1503, doi:[10.1042/BST20190960](https://doi.org/10.1042/BST20190960).

33.

Mohseni, A.; **Kube**, M.; Fan, L.; Roddick, F.A. Treatment of Wastewater Reverse Osmosis Concentrate Using Alginate-Immobilised Microalgae: Integrated Impact of Solution Conditions on Algal Bead Performance. *Chemosphere* **2021**, *276*, 130028, doi:[10.1016/j.chemosphere.2021.130028](https://doi.org/10.1016/j.chemosphere.2021.130028).

34.

Stömmmer, P.; Kiefer, H.; Kopperger, E.; Honemann, M.N.; **Kube**, M.; Simmel, F.C.; Netz, R.R.; Dietz, H. A Synthetic Tubular Molecular Transport System. *Nat Commun* **2021**, *12*, 4393, doi:[10.1038/s41467-021-24675-8](https://doi.org/10.1038/s41467-021-24675-8).

35.

Reeves, K.C.; **Kube**, M.J.; Grecco, G.G.; Fritz, B.M.; Muñoz, B.; Yin, F.; Gao, Y.; Haggerty, D.L.; Hoffman, H.J.; Atwood, B.K. Mu Opioid Receptors on vGluT2-Expressing Glutamatergic Neurons Modulate Opioid Reward. *Addict Biol* **2021**, *26*, e12942, doi:[10.1111/adb.12942](https://doi.org/10.1111/adb.12942).

36.

Murujew, O.; Whitton, R.; **Kube**, M.; Fan, L.; Roddick, F.; Jefferson, B.; Pidou, M. Recovery and Reuse of Alginate in an Immobilized Algae Reactor. *Environ Technol* **2021**, *42*, 1521–1530, doi:[10.1080/09593330.2019.1673827](https://doi.org/10.1080/09593330.2019.1673827).

37.

Ćurčić, Ž.; Stepanović, J.; Zübert, C.; Taški-Ajduković, K.; Kosovac, A.; Rekanović, E.; **Kube**, M.; Duduk, B. Rubbery Taproot Disease of Sugar Beet in Serbia Associated with “*Candidatus Phytoplasma Solani*.” *Plant Dis* **2021**, *105*, 255–263, doi:[10.1094/PDIS-07-20-1602-RE](https://doi.org/10.1094/PDIS-07-20-1602-RE).

38.

Zübert, C.; **Kube**, M. Application of TaqMan Real-Time PCR for Detecting ‘*Candidatus Arsenophonus Phytopathogenicus*’ Infection in Sugar Beet. *Pathogens* **2021**, *10*, 1466, doi:[10.3390/pathogens10111466](https://doi.org/10.3390/pathogens10111466).

39.

Ulrich, K.; **Kube**, M.; Becker, R.; Schneck, V.; Ulrich, A. Genomic Analysis of the Endophytic *Stenotrophomonas* Strain 169 Reveals Features Related to Plant-Growth Promotion and Stress Tolerance. *Front Microbiol* **2021**, *12*, 687463, doi:[10.3389/fmicb.2021.687463](https://doi.org/10.3389/fmicb.2021.687463).

40.

Gottschall, M.; Afzal, F.; Anisovich, A.V.; Bayadilov, D.; Beck, R.; Bichow, M.; Brinkmann, K.T.; Crede, V.; Dieterle, M.; Dietz, F.; et al. Measurement of the Helicity Asymmetry E for the Reaction $\gamma p \rightarrow \pi^0 p$: The CBELSA/TAPS Collaboration. *Eur Phys J A Hadron Nucl* **2021**, *57*, 40, doi:[10.1140/epja/s10050-020-00334-2](https://doi.org/10.1140/epja/s10050-020-00334-2).

41.

Ćurčić, Ž.; Kosovac, A.; Stepanović, J.; Rekanović, E.; **Kube**, M.; Duduk, B. Multilocus Genotyping of ‘*Candidatus Phytoplasma Solani*’ Associated with Rubbery Taproot Disease of Sugar Beet in the Pannonian Plain. *Microorganisms* **2021**, *9*, 1950, doi:[10.3390/microorganisms9091950](https://doi.org/10.3390/microorganisms9091950).

42.

Schneider, B.; Hüttel, B.; Zübert, C.; **Kube**, M. Genetic Variation, Phylogenetic Relationship and Spatial Distribution of “*Candidatus Phytoplasma Ulmi*” Strains in Germany. *Sci Rep* **2020**, *10*, 21864, doi:[10.1038/s41598-020-78745-w](https://doi.org/10.1038/s41598-020-78745-w).

43.

Kube, M.; Kohler, F.; Feigl, E.; Nagel-Yüksel, B.; Willner, E.M.; Funke, J.J.; Gerling, T.; Stömmers, P.; Honemann, M.N.; Martin, T.G.; et al. Revealing the Structures of Megadalton-Scale DNA Complexes with Nucleotide Resolution. *Nat Commun* **2020**, *11*, 6229, doi:[10.1038/s41467-020-20020-7](https://doi.org/10.1038/s41467-020-20020-7).

44.

Fernández, F.D.; Zübert, C.; Huettel, B.; **Kube**, M.; Conci, L.R. Draft Genome Sequence of “*Candidatus Phytoplasma Pruni*” (X-Disease Group, Subgroup 16SrIII-B) Strain ChTDIII from Argentina. *Microbiol Resour Announc* **2020**, *9*, e00792-20, doi:[10.1128/MRA.00792-20](https://doi.org/10.1128/MRA.00792-20).

45.

Mohseni, A.; **Kube**, M.; Fan, L.; Roddick, F.A. Potential of *Chlorella Vulgaris* and *Nannochloropsis Salina* for Nutrient and Organic Matter Removal from Municipal Wastewater Reverse Osmosis Concentrate. *Environ Sci Pollut Res Int* **2020**, *27*, 26905–26914, doi:[10.1007/s11356-020-09103-6](https://doi.org/10.1007/s11356-020-09103-6).

46.

Schneider, B.; Kätzel, R.; **Kube**, M. Widespread Occurrence of “*Candidatus Phytoplasma Ulmi*” in Elm Species in Germany. *BMC Microbiol* **2020**, *20*, 74, doi:[10.1186/s12866-020-01749-z](https://doi.org/10.1186/s12866-020-01749-z).

47.

Ulrich, K.; Becker, R.; Behrendt, U.; **Kube**, M.; Ulrich, A. A Comparative Analysis of Ash Leaf-Colonizing Bacterial Communities Identifies Putative Antagonists of Hymenoscyphus Fraxineus. *Front Microbiol* **2020**, *11*, 966, doi:[10.3389/fmicb.2020.00966](https://doi.org/10.3389/fmicb.2020.00966).

48.

Schneider, B.; Kätzel, R.; **Kube**, M. Widespread Occurrence of ‘*Candidatus Phytoplasma Ulmi*’ in Elm Species in Germany. *BMC microbiology* **2020**, *20*, 1–12, doi:[10.1186/s12866-020-01749-z](https://doi.org/10.1186/s12866-020-01749-z).

49.

Schneider, B.; Hüttel, B.; Zübert, C.; **Kube**, M. Genetic Variation, Phylogenetic Relationship and Spatial Distribution of ‘*Candidatus Phytoplasma Ulmi*’ Strains in Germany. *Scientific Reports* **2020**, *10*, 21864, doi:[10.1038/s41598-020-78745-w](https://doi.org/10.1038/s41598-020-78745-w).

50.

Becker, R.; Ulrich, K.; Behrendt, U.; **Kube**, M.; Ulrich, A. Analyzing Ash Leaf-Colonizing Fungal Communities for Their Biological Control of Hymenoscyphus Fraxineus. *Front Microbiol* **2020**, *11*, 590944, doi:[10.3389/fmicb.2020.590944](https://doi.org/10.3389/fmicb.2020.590944).

51.

Duduk, B.; Duduk, N.; Vico, I.; Stepanović, J.; Marković, T.; Rekanović, E.; **Kube**, M.; Radanović, D. Chamomile Floricolous Downy Mildew Caused by Peronospora Radii. *Phytopathology* **2019**, *109*, 1900–1907, doi:[10.1094/PHTO-04-19-0138-R](https://doi.org/10.1094/PHTO-04-19-0138-R).

52.

Sigmund, F.; Pettinger, S.; **Kube**, M.; Schneider, F.; Schifferer, M.; Schneider, S.; Efremova, M.V.; Pujol-Martí, J.; Aichler, M.; Walch, A.; et al. Iron-Sequestering Nanocompartments as Multiplexed Electron Microscopy Gene Reporters. *ACS Nano* **2019**, *13*, 8114–8123, doi:[10.1021/acsnano.9b03140](https://doi.org/10.1021/acsnano.9b03140).

53.

Toth, R.; Seemüller, E.; **Kube**, M. A Universal PCR Assay Amplifying the Unique Malic Enzyme of Phytoplasmas. *Phytopathogenic Mollicutes* **2019**, *9*, 87–88, doi:[10.5958/2249-4677.2019.00044.6](https://doi.org/10.5958/2249-4677.2019.00044.6).

54.

Schneider, B.; **Kube**, M. Occurrence of ‘*Candidatus Phytoplasma Ulmi*’ in Native Elm Trees in Germany. *Phytopathogenic Mollicutes* **2019**, *9*, 51–52, doi:[10.1186/s12866-020-01749-z](https://doi.org/10.1186/s12866-020-01749-z).

55.

Marjanovic, M.; Stepanovic, J.; Rekanovic, E.; **Kube**, M.; Duduk, B. Alder Yellows Phytoplasmas in Alnus Species in Serbia. *Phytopathogenic Mollicutes* **2019**, *9*, 57–58, doi:[10.5958/2249-4677.2019.00029.X](https://doi.org/10.5958/2249-4677.2019.00029.X).

56.

Kube, M.; Furch, A.C. Symptomless Phytoplasmosis of Black Alder (Alnus Glutinosa): A Model for Host Tolerance. *Plant Physiology Reports* **2019**, *24*, 550–554. *Plant Physiology Reports* **2019**, *24*, 550–554, doi:[10.1007/s40502-019-00489-1](https://doi.org/10.1007/s40502-019-00489-1).

57.

Kube, M.; Duduk, B.; Oshima, K. Phytoplasmas: Plant Pathogenic Bacteria-III: Genomics, Host Pathogen Interactions and Diagnosis. **2019**, 1–16, doi:[DOI:10.1007/978-981-13-9632-8](https://doi.org/10.1007/978-981-13-9632-8).

58.

Holz, S.; **Kube, M.**; Bartoszewski, G.; Huettel, B.; Büttner, C. Initial Studies on Cucumber Transcriptome Analysis under Silicon Treatment. *Silicon* **2019**, *11*, 2365–2369, doi:[10.1007/s12633-015-9335-2](https://doi.org/10.1007/s12633-015-9335-2).

59.

Duduk, B.; Duduk, N.; Vico, I.; Stepanović, J.; Marković, T.; Rekanović, E.; **Kube, M.**; Radanović, D. Chamomile Floricolous Downy Mildew Caused by *Peronospora Radii*. *Phytopathology* **2019**, *109*, 1900–1907, doi:[10.1094/PHTO-04-19-0138-R](https://doi.org/10.1094/PHTO-04-19-0138-R).

60.

Dermastia, M.; **Kube, M.**; Šeruga-Musić, M. Transcriptomic and Proteomic Studies of Phytoplasma-Infected Plants. *Phytoplasmas: Plant Pathogenic Bacteria-III: Genomics, Host Pathogen Interactions and Diagnosis* **2019**, 35–55, doi:[10.1007/978-981-13-9632-8_3](https://doi.org/10.1007/978-981-13-9632-8_3) Marina%20Dermastia%20Michael%20K.

61.

Gerling, T.; **Kube, M.**; Kick, B.; Dietz, H. Sequence-Programmable Covalent Bonding of Designed DNA Assemblies. *Sci Adv* **2018**, *4*, eaau1157, doi:[10.1126/sciadv.aau1157](https://doi.org/10.1126/sciadv.aau1157).

62.

Makhija, M.; Gorji, M.; **Kube, M.** Mixed Tumor, Eccrine Type: So What If It's Vulval! *Int J Gynecol Pathol* **2018**, *37*, 239–241, doi:[10.1097/PGP.0000000000000414](https://doi.org/10.1097/PGP.0000000000000414).

63.

Kube, M.; Liesebach, M. Resistenzforschung Im Forst. *Gehölze in historischen Gärten im Klimawandel—Transdisziplinäre Ansätze zur Erhaltung eines Kulturguts* **2017**, 201–205.

64.

Huhmann, S.; Stegemann, A.-K.; Folmert, K.; Klemczak, D.; Moschner, J.; **Kube, M.**; Koksche, B. Position-Dependent Impact of Hexafluoroleucine and Trifluoroisoleucine on Protease Digestion. *Beilstein J Org Chem* **2017**, *13*, 2869–2882, doi:[10.3762/bjoc.13.279](https://doi.org/10.3762/bjoc.13.279).

65.

Dörries, M.; Wöhlbrand, L.; **Kube, M.**; Reinhardt, R.; Rabus, R. Genome and Catabolic Subproteomes of the Marine, Nutritionally Versatile, Sulfate-Reducing Bacterium *Desulfococcus Multivorans* DSM 2059. *BMC Genomics* **2016**, *17*, 918, doi:[10.1186/s12864-016-3236-7](https://doi.org/10.1186/s12864-016-3236-7).

66.

Zhu, B.; Ibrahim, M.; Cui, Z.; Xie, G.; Jin, G.; **Kube, M.**; Li, B.; Zhou, X. Multi-Omics Analysis of Niche Specificity Provides New Insights into Ecological Adaptation in Bacteria. *ISME J* **2016**, *10*, 2072–2075, doi:[10.1038/ismej.2015.251](https://doi.org/10.1038/ismej.2015.251).

67.

Bennett, G.M.; Abbà, S.; **Kube, M.**; Marzachi, C. Complete Genome Sequences of the Obligate Symbionts “*Candidatus Sulcia Muelleri*” and “*Ca. Nasuia Deltocephalinicola*” from the Pestiferous

Leafhopper *Macrosteles Quadripunctulatus* (Hemiptera: Cicadellidae). *Genome Announc* **2016**, *4*, e01604-15, doi:[10.1128/genomeA.01604-15](https://doi.org/10.1128/genomeA.01604-15).

68.

Zhu, B.; Ibrahim, M.; Cui, Z.; Xie, G.; Jin, G.; **Kube**, M.; Li, B.; Zhou, X. Multi-Omics Analysis of Niche Specificity Provides New Insights into Ecological Adaptation in Bacteria. *The ISME journal* **2016**, *10*, 2072–2075, doi:[10.1038/ismej.2015.251](https://doi.org/10.1038/ismej.2015.251).

69.

Kube, M. Analysen Der Genetischen Ausstattung von Vertretern Aus Der Phytopathogenen' *Candidatus* Phytoplasma'-Gruppe Sowie Verwandter Achleplasmataceae. **2016**.

70.

Holz, S.; Duduk, B.; Büttner, C.; **Kube**, M. Genetic Variability of Alder Yellows Phytoplasma in *Alnus Glutinosa* in Its Natural Spreewald Habitat. *Forest Pathology* **2016**, *46*, 11–21, doi:[10.1111/efp.12206](https://doi.org/10.1111/efp.12206).

71.

Bennett, G.M.; Abbà, S.; **Kube**, M.; Marzachi, C. Complete Genome Sequences of the Obligate Symbionts "*Candidatus* Sulcia Muelleri" and "*Ca. Nasuia Deltocephalinicola*" from the Pestiferous Leafhopper *Macrosteles Quadripunctulatus* (Hemiptera: Cicadellidae). *Genome announcements* **2016**, *4*, 10.1128/genomeA.01604-15, doi:[10.1128/genomeA.01604-15](https://doi.org/10.1128/genomeA.01604-15).

72.

Mitrović, J.; Smiljković, M.; Seemüller, E.; Reinhardt, R.; Hüttel, B.; Büttner, C.; Bertaccini, A.; **Kube**, M.; Duduk, B. Differentiation of "*Candidatus* Phytoplasma Cynodontis" Based on 16S rRNA and groEL Genes and Identification of a New Subgroup, 16SrXIV-C. *Plant Dis* **2015**, *99*, 1578–1583, doi:[10.1094/PDIS-01-15-0061-RE](https://doi.org/10.1094/PDIS-01-15-0061-RE).

73.

Quaglino, F.; **Kube**, M.; Jawhari, M.; Abou-Jawdah, Y.; Siewert, C.; Choueiri, E.; Sobh, H.; Casati, P.; Tedeschi, R.; Lova, M.M. '*Candidatus* Phytoplasma Phoenicium' Associated with Almond Witches'-Broom Disease: From Draft Genome to Genetic Diversity among Strain Populations. *BMC microbiology* **2015**, *15*, 1–15.

74.

Mitrović, J.; Smiljković, M.; Seemüller, E.; Reinhardt, R.; Hüttel, B.; Büttner, C.; Bertaccini, A.; **Kube**, M.; Duduk, B. Differentiation of '*Candidatus* Phytoplasma Cynodontis' Based on 16S rRNA and groEL Genes and Identification of a New Subgroup, 16SrXIV-C. *Plant Disease* **2015**, *99*, 1578–1583, doi:[10.1094/PDIS-01-15-0061-RE](https://doi.org/10.1094/PDIS-01-15-0061-RE).

75.

Lee, I.-M.; Shao, J.; Bottner-Parker, K.D.; Gundersen-Rindal, D.E.; Zhao, Y.; Davis, R.E. Draft Genome Sequence of "*Candidatus* Phytoplasma Pruni" Strain CX, a Plant-Pathogenic Bacterium. *Genome Announcements* **2015**, *3*, 10.1128/genomeA.01117-15, doi:[DOI:10.1128/genomeA.01117-15](https://doi.org/10.1128/genomeA.01117-15).

76.

Holz, S.; **Kube**, M.; Bartoszewski, G.; Büttner, C. THE IMPACT OF SILICON ON TRANSCRIPTS RELATED TO CUCUMBER MOSAIC VIRUS INFECTION IN CUCUMBER. *Commun Agric Appl Biol Sci* **2015**, *80*, 411–420.

77.

Eisold, A.M.; **Kube**, M.; Holz, S.; Büttner, C. FIRST REPORT OF “*CANDIDATUS* PHYTOPLASMA ULMI” IN ULMUS LAEVIS IN GERMANY. *Commun Agric Appl Biol Sci* **2015**, *80*, 575–578.

78.

Siewert, C.; Hess, W.R.; Duduk, B.; Huettel, B.; Reinhardt, R.; Büttner, C.; **Kube**, M. Complete Genome Determination and Analysis of Acholeplasma Oculi Strain 19L, Highlighting the Loss of Basic Genetic Features in the Acholeplasmataceae. *BMC Genomics* **2014**, *15*, 931, doi:[10.1186/1471-2164-15-931](https://doi.org/10.1186/1471-2164-15-931).

79.

Hartmann, J.; Dutz, H.; Anisovich, A.V.; Bayadilov, D.; Beck, R.; Becker, M.; Beloglazov, Y.; Berlin, A.; Bichow, M.; Böse, S.; et al. N(1520) 3/2(-) Helicity Amplitudes from an Energy-Independent Multipole Analysis Based on New Polarization Data on Photoproduction of Neutral Pions. *Phys Rev Lett* **2014**, *113*, 062001, doi:[10.1103/PhysRevLett.113.062001](https://doi.org/10.1103/PhysRevLett.113.062001).

80.

Luge, T.; **Kube**, M.; Freiwald, A.; Meierhofer, D.; Seemüller, E.; Sauer, S. Transcriptomics Assisted Proteomic Analysis of Nicotiana Occidentalis Infected by *Candidatus* Phytoplasma Mali Strain AT. *Proteomics* **2014**, *14*, 1882–1889, doi:[10.1002/pmic.201300551](https://doi.org/10.1002/pmic.201300551).

81.

Luge, T.; **Kube**, M.; Freiwald, A.; Meierhofer, D.; Seemüller, E.; Sauer, S. Transcriptomics Assisted Proteomic Analysis of Nicotiana Occidentalis Infected by *Candidatus* Phytoplasma Mali Strain AT. *Proteomics* **2014**, *14*, 1882–1889, doi:[10.1002/pmic.201300551](https://doi.org/10.1002/pmic.201300551).

82.

Li, B.; Ibrahim, M.; Ge, M.; Cui, Z.; Sun, G.; Xu, F.; **Kube**, M. Transcriptome Analysis of Acidovorax Avenae Subsp. Avenae Cultivated in Vivo and Co-Culture with Burkholderia Seminalis. *Sci Rep* **2014**, *4*, 5698, doi:[10.1038/srep05698](https://doi.org/10.1038/srep05698).

83.

Gottschall, M.; Anisovich, A.V.; Bantes, B.; Bayadilov, D.; Beck, R.; Bichow, M.; Böse, S.; Brinkmann, K.-T.; Challand, T.; Crede, V.; et al. First Measurement of the Helicity Asymmetry for $\Gamma p \rightarrow p\pi^0$ in the Resonance Region. *Phys Rev Lett* **2014**, *112*, 012003, doi:[10.1103/PhysRevLett.112.012003](https://doi.org/10.1103/PhysRevLett.112.012003).

84.

Siewert, C.; Luge, T.; Duduk, B.; Seemüller, E.; Büttner, C.; Sauer, S.; **Kube**, M. Analysis of Expressed Genes of the Bacterium “*Candidatus* Phytoplasma Mali” Highlights Key Features of Virulence and Metabolism. *PLoS One* **2014**, *9*, e94391, doi:[10.1371/journal.pone.0094391](https://doi.org/10.1371/journal.pone.0094391).

85.

Siewert, C.; Hess, W.R.; Duduk, B.; Huettel, B.; Reinhardt, R.; Büttner, C.; **Kube**, M. Complete Genome Determination and Analysis of Acholeplasma Oculi Strain 19L, Highlighting the Loss of Basic Genetic Features in the Acholeplasmataceae. *BMC genomics* **2014**, *15*, 1–16, doi:[10.1186/1471-2164-15-931](https://doi.org/10.1186/1471-2164-15-931).

86.

Mitrović, J.; Siewert, C.; Duduk, B.; Hecht, J.; Mölling, K.; Broecker, F.; Beyerlein, P.; Büttner, C.; Bertaccini, A.; **Kube**, M. Generation and Analysis of Draft Sequences of “stolbur” Phytoplasma from Multiple Displacement Amplification Templates. *J Mol Microbiol Biotechnol* **2014**, *24*, 1–11, doi:[10.1159/000353904](https://doi.org/10.1159/000353904).

87.

Luge, T.; **Kube**, M.; Freiwald, A.; Meierhofer, D.; Seemüller, E.; Sauer, S. Transcriptomics Assisted Proteomic Analysis of *Nicotiana glauca* Infected by *Candidatus Phytoplasma mali* Strain AT. *Proteomics* **2014**, *14*, 1882–1889, doi:[0.1002/pmic.201300551](https://doi.org/10.1002/pmic.201300551).

88.

Li, B.; Ibrahim, M.; Ge, M.; Cui, Z.; Sun, G.; Xu, F.; **Kube**, M. Transcriptome Analysis of *Acidovorax avenae* Subsp. *avenae* Cultivated in Vivo and Co-Culture with *Burkholderia seminis*. *Scientific reports* **2014**, *4*, 5698, doi:[10.1038/srep05698](https://doi.org/10.1038/srep05698).

89.

Kube, M.; Siewert, C.; Migdoll, A.M.; Duduk, B.; Mitrović, J.; Holz, S.; Rabus, R.; Reinhardt, R.; Seemüller, E.; Büttner, C. Complete Genomes and Deduced Metabolism of *Acholeplasmas* in Comparison to Members of ‘*Candidatus Phytoplasma*.’ *Phytoplasmas and phytoplasma disease management: how to reduce their economic impact* **2014**, 263, doi:[10.1186/1471-2164-15-931](https://doi.org/10.1186/1471-2164-15-931).

90.

Kube, M.; Siewert, C.; Migdoll, A.M.; Duduk, B.; Holz, S.; Rabus, R.; Seemüller, E.; Mitrović, J.; Müller, I.; Büttner, C.; et al. Analysis of the Complete Genomes of *Acholeplasma brassicae*, *A. palmae* and *A. laidlawii* and Their Comparison to the Obligate Parasites from “*Candidatus Phytoplasma*.” *J Mol Microbiol Biotechnol* **2014**, *24*, 19–36, doi:[10.1159/000354322](https://doi.org/10.1159/000354322).

91.

Lefèvre, C.T.; Trubitsyn, D.; Abreu, F.; Kolinko, S.; Jogler, C.; de Almeida, L.G.P.; de Vasconcelos, A.T.R.; **Kube**, M.; Reinhardt, R.; Lins, U.; et al. Comparative Genomic Analysis of Magnetotactic Bacteria from the Deltaproteobacteria Provides New Insights into Magnetite and Greigite Magnetosome Genes Required for Magnetotaxis. *Environ Microbiol* **2013**, *15*, 2712–2735, doi:[10.1111/1462-2920.12128](https://doi.org/10.1111/1462-2920.12128).

92.

Wöhlbrand, L.; Jacob, J.H.; **Kube**, M.; Mussmann, M.; Jarling, R.; Beck, A.; Amann, R.; Wilkes, H.; Reinhardt, R.; Rabus, R. Complete Genome, Catabolic Sub-Proteomes and Key-Metabolites of *Desulfobacula toluolica* Tol2, a Marine, Aromatic Compound-Degrading, Sulfate-Reducing Bacterium. *Environ Microbiol* **2013**, *15*, 1334–1355, doi:[10.1111/j.1462-2920.2012.02885.x](https://doi.org/10.1111/j.1462-2920.2012.02885.x).

93.

Finster, K.W.; Kjeldsen, K.U.; **Kube**, M.; Reinhardt, R.; Mussmann, M.; Amann, R.; Schreiber, L. Complete Genome Sequence of *Desulfocapsa sulfexigens*, a Marine Deltaproteobacterium Specialized in Disproportionating Inorganic Sulfur Compounds. *Stand Genomic Sci* **2013**, *8*, 58–68, doi:[10.4056/sigs.3777412](https://doi.org/10.4056/sigs.3777412).

94.

Seemüller, E.; Sule, S.; **Kube**, M.; Jelkmann, W.; Schneider, B. The AAA+ ATPases and HflB/FtsH Proteases of “*Candidatus Phytoplasma Mali*”: Phylogenetic Diversity, Membrane Topology, and Relationship to Strain Virulence. *Mol Plant Microbe Interact* **2013**, *26*, 367–376, doi:[10.1094/MPMI-09-12-0221-R](https://doi.org/10.1094/MPMI-09-12-0221-R).

95.

Wöhlbrand, L.; Jacob, J.H.; **Kube**, M.; Mussmann, M.; Jarling, R.; Beck, A.; Amann, R.; Wilkes, H.; Reinhardt, R.; Rabus, R. Complete Genome, Catabolic Sub-proteomes and Key-metabolites of *Desulfobacula toluolica Tol2*, a Marine, Aromatic Compound-degrading, Sulfate-reducing Bacterium. *Environmental microbiology* **2013**, *15*, 1334–1355, doi:[10.1111/j.1462-2920.2012.02885.x](https://doi.org/10.1111/j.1462-2920.2012.02885.x).

96.

Tingaud-Sequeira, A.; Lozano, J.-J.; Zapater, C.; Otero, D.; **Kube**, M.; Reinhardt, R.; Cerdà, J. A Rapid Transcriptome Response Is Associated with Desiccation Resistance in Aerially-Exposed Killifish Embryos. *PLoS One* **2013**, *8*, e64410, doi:[10.1371/journal.pone.0064410](https://doi.org/10.1371/journal.pone.0064410).

97.

Nübel, U.; Nachtnebel, M.; Falkenhorst, G.; Benzler, J.; Hecht, J.; **Kube**, M.; Bröcker, F.; Moelling, K.; Bühner, C.; Gastmeier, P.; et al. MRSA Transmission on a Neonatal Intensive Care Unit: Epidemiological and Genome-Based Phylogenetic Analyses. *PLoS One* **2013**, *8*, e54898, doi:[10.1371/journal.pone.0054898](https://doi.org/10.1371/journal.pone.0054898).

98.

Lefèvre, C.T.; Trubitsyn, D.; Abreu, F.; Kolinko, S.; Jogler, C.; de Almeida, L.G.P.; de Vasconcelos, A.T.R.; **Kube**, M.; Reinhardt, R.; Lins, U. Comparative Genomic Analysis of Magnetotactic Bacteria from the Deltaproteobacteria Provides New Insights into Magnetite and Greigite Magnetosome Genes Required for Magnetotaxis. *Environmental microbiology* **2013**, *15*, 2712–2735, doi:[10.1111/1462-2920.12128](https://doi.org/10.1111/1462-2920.12128).

99.

Kube, M.; Chernikova, T.N.; Al-Ramahi, Y.; Beloqui, A.; Lopez-Cortez, N.; Guazzaroni, M.-E.; Heipieper, H.J.; Klages, S.; Kotsyurbenko, O.R.; Langer, I.; et al. Genome Sequence and Functional Genomic Analysis of the Oil-Degrading Bacterium *Oleispira antarctica*. *Nat Commun* **2013**, *4*, 2156, doi:[10.1038/ncomms3156](https://doi.org/10.1038/ncomms3156).

100.

Finster, K.W.; Kjeldsen, K.U.; **Kube**, M.; Reinhardt, R.; Mussmann, M.; Amann, R.; Schreiber, L. Complete Genome Sequence of *Desulfocapsa sulfexigens*, a Marine Deltaproteobacterium Specialized in Disproportionating Inorganic Sulfur Compounds. *Standards in genomic sciences* **2013**, *8*, 58–68, doi:[10.4056/sigs.3777412](https://doi.org/10.4056/sigs.3777412).

101.

Contreras-Porcia, L.; López-Cristoffanini, C.; Lovazzano, C.; Flores-Molina, M.R.; Thomas, D.; Núñez, A.; Fierro, C.; Guajardo, E.; Correa, J.A.; **Kube**, M. Differential Gene Expression in *Pyropia columbina* (Bangiales, Rhodophyta) under Natural Hydration and Desiccation Conditions. *Latin American Journal of Aquatic Research* **2013**, *41*, 933–958, doi:[10.3856/vol41-issue5-fulltext-13](https://doi.org/10.3856/vol41-issue5-fulltext-13).

102.

Broecker, F.; **Kube**, M.; Klumpp, J.; Schuppler, M.; Biedermann, L.; Hecht, J.; Hombach, M.; Keller, P.M.; Rogler, G.; Moelling, K. Analysis of the Intestinal Microbiome of a Recovered Clostridium Difficile Patient after Fecal Transplantation. *Digestion* **2013**, *88*, 243–251, doi:[10.1159/000355955](https://doi.org/10.1159/000355955).

103.

Lenk, S.; Moraru, C.; Hahnke, S.; Arnds, J.; Richter, M.; **Kube**, M.; Reinhardt, R.; Brinkhoff, T.; Harder, J.; Amann, R.; et al. Roseobacter Clade Bacteria Are Abundant in Coastal Sediments and Encode a Novel Combination of Sulfur Oxidation Genes. *ISME J* **2012**, *6*, 2178–2187, doi:[10.1038/ismej.2012.66](https://doi.org/10.1038/ismej.2012.66).

104.

Dam, B.; Dam, S.; **Kube**, M.; Reinhardt, R.; Liesack, W. Complete Genome Sequence of Methylocystis Sp. Strain SC2, an Aerobic Methanotroph with High-Affinity Methane Oxidation Potential. *J Bacteriol* **2012**, *194*, 6008–6009, doi:[10.1128/JB.01446-12](https://doi.org/10.1128/JB.01446-12).

105.

Li, B.; Shi, Y.; Ibrahim, M.; Liu, H.; Shan, C.; Wang, Y.; **Kube**, M.; Xie, G.-L.; Sun, G. Genome Sequence of the Rice Pathogen Dickeya Zeae Strain ZJU1202. *J Bacteriol* **2012**, *194*, 4452–4453, doi:[10.1128/JB.00819-12](https://doi.org/10.1128/JB.00819-12).

106.

Lemak, S.; Tchigvintsev, A.; Petit, P.; Flick, R.; Singer, A.U.; Brown, G.; Evdokimova, E.; Egorova, O.; Gonzalez, C.F.; Chernikova, T.N.; et al. Structure and Activity of the Cold-Active and Anion-Activated Carboxyl Esterase OLEI01171 from the Oil-Degrading Marine Bacterium Oleispira Antarctica. *Biochem J* **2012**, *445*, 193–203, doi:[10.1042/BJ20112113](https://doi.org/10.1042/BJ20112113).

107.

Dam, B.; **Kube**, M.; Dam, S.; Reinhardt, R.; Liesack, W. Complete Sequence Analysis of Two Methanotroph-Specific repABC-Containing Plasmids from Methylocystis Sp. Strain SC2. *Appl Environ Microbiol* **2012**, *78*, 4373–4379, doi:[10.1128/AEM.00628-12](https://doi.org/10.1128/AEM.00628-12).

108.

Lahme, S.; Eberlein, C.; Jarling, R.; **Kube**, M.; Boll, M.; Wilkes, H.; Reinhardt, R.; Rabus, R. Anaerobic Degradation of 4-Methylbenzoate via a Specific 4-Methylbenzoyl-CoA Pathway. *Environ Microbiol* **2012**, *14*, 1118–1132, doi:[10.1111/j.1462-2920.2011.02693.x](https://doi.org/10.1111/j.1462-2920.2011.02693.x).

109.

Felder, K.M.; Carranza, P.M.; Gehrig, P.M.; Roschitzki, B.; Barkow-Oesterreicher, S.; Hoelzle, K.; Riedel, K.; **Kube**, M.; Hoelzle, L.E. Insights into the Gene Expression Profile of Uncultivable Hemotrophic Mycoplasma Suis during Acute Infection, Obtained Using Proteome Analysis. *J Bacteriol* **2012**, *194*, 1505–1514, doi:[10.1128/JB.00002-12](https://doi.org/10.1128/JB.00002-12).

110.

Lenk, S.; Moraru, C.; Hahnke, S.; Arnds, J.; Richter, M.; **Kube**, M.; Reinhardt, R.; Brinkhoff, T.; Harder, J.; Amann, R. Roseobacter Clade Bacteria Are Abundant in Coastal Sediments and Encode a Novel Combination of Sulfur Oxidation Genes. *The ISME journal* **2012**, *6*, 2178–2187, doi:[10.1038/ismej.2012.66](https://doi.org/10.1038/ismej.2012.66).

111.

Kube, M.; Mitrovic, J.; Duduk, B.; Rabus, R.; Seemüller, E. Current View on Phytoplasma Genomes and Encoded Metabolism. *ScientificWorldJournal* **2012**, 2012, 185942, doi:[10.1100/2012/185942](https://doi.org/10.1100/2012/185942).

112.

Ibrahim, M.; Shi, Y.; Qiu, H.; Li, B.; Jabeen, A.; Li, L.; Liu, H.; **Kube, M.**; Xie, G.; Wang, Y.; et al. Differential Expression of in Vivo and in Vitro Protein Profile of Outer Membrane of *Acidovorax Avenae* Subsp. *Avenae*. *PLoS One* **2012**, 7, e49657, doi:[10.1371/journal.pone.0049657](https://doi.org/10.1371/journal.pone.0049657).

113.

Clark, M.S.; Denekamp, N.Y.; Thorne, M.A.S.; Reinhardt, R.; Drungowski, M.; Albrecht, M.W.; Klages, S.; Beck, A.; **Kube, M.**; Lubzens, E. Long-Term Survival of Hydrated Resting Eggs from *Brachionus Plicatilis*. *PLoS One* **2012**, 7, e29365, doi:[10.1371/journal.pone.0029365](https://doi.org/10.1371/journal.pone.0029365).

114.

Müller, I.; Lurz, R.; **Kube, M.**; Quedenau, C.; Jelkmann, W.; Geider, K. Molecular and Physiological Properties of Bacteriophages from North America and Germany Affecting the Fire Blight Pathogen *Erwinia Amylovora*. *Microb Biotechnol* **2011**, 4, 735–745, doi:[10.1111/j.1751-7915.2011.00272.x](https://doi.org/10.1111/j.1751-7915.2011.00272.x).

115.

Massa, S.I.; Pearson, G.A.; Aires, T.; **Kube, M.**; Olsen, J.L.; Reinhardt, R.; Serrão, E.A.; Arnaud-Haond, S. Expressed Sequence Tags from Heat-Shocked Seagrass *Zostera Noltii* (Hornemann) from Its Southern Distribution Range. *Mar Genomics* **2011**, 4, 181–188, doi:[10.1016/j.margen.2011.04.003](https://doi.org/10.1016/j.margen.2011.04.003).

116.

Jones, A.C.; Monroe, E.A.; Podell, S.; Hess, W.R.; Klages, S.; Esquenazi, E.; Niessen, S.; Hoover, H.; Rothmann, M.; Lasken, R.S.; et al. Genomic Insights into the Physiology and Ecology of the Marine Filamentous Cyanobacterium *Lyngbya Majuscula*. *Proc Natl Acad Sci U S A* **2011**, 108, 8815–8820, doi:[10.1073/pnas.1101137108](https://doi.org/10.1073/pnas.1101137108).

117.

Oehlerking, J.; **Kube, M.**; Felder, K.M.; Matter, D.; Wittenbrink, M.M.; Schwarzenbach, S.; Kramer, M.M.; Hoelzle, K.; Hoelzle, L.E. Complete Genome Sequence of the Hemotrophic *Mycoplasma Suis* Strain KI3806. *J Bacteriol* **2011**, 193, 2369–2370, doi:[10.1128/JB.00187-11](https://doi.org/10.1128/JB.00187-11).

118.

De Gregoris, T.B.; Rupp, O.; Klages, S.; Knaust, F.; Bekel, T.; **Kube, M.**; Burgess, J.G.; Arnone, M.I.; Goesmann, A.; Reinhardt, R.; et al. Deep Sequencing of Naupliar-, Cyprid- and Adult-Specific Normalised Expressed Sequence Tag (EST) Libraries of the Acorn Barnacle *Balanus Amphitrite*. *Biofouling* **2011**, 27, 367–374, doi:[10.1080/08927014.2011.577211](https://doi.org/10.1080/08927014.2011.577211).

119.

Struck, T.H.; Paul, C.; Hill, N.; Hartmann, S.; Hösel, C.; **Kube, M.**; Lieb, B.; Meyer, A.; Tiedemann, R.; Purschke, G.; et al. Phylogenomic Analyses Unravel Annelid Evolution. *Nature* **2011**, 471, 95–98, doi:[10.1038/nature09864](https://doi.org/10.1038/nature09864).

120.

Zedelius, J.; Rabus, R.; Grundmann, O.; Werner, I.; Brodkorb, D.; Schreiber, F.; Ehrenreich, P.; Behrends, A.; Wilkes, H.; **Kube, M.**; et al. Alkane Degradation under Anoxic Conditions by a Nitrate-

Reducing Bacterium with Possible Involvement of the Electron Acceptor in Substrate Activation. *Environ Microbiol Rep* **2011**, 3, 125–135, doi:[10.1111/j.1758-2229.2010.00198.x](https://doi.org/10.1111/j.1758-2229.2010.00198.x).

121.

Müller, I.; **Kube**, M.; Reinhardt, R.; Jelkmann, W.; Geider, K. Complete Genome Sequences of Three *Erwinia Amylovora* Phages Isolated in North America and a Bacteriophage Induced from an *Erwinia Tasmaniensis* Strain. *J Bacteriol* **2011**, 193, 795–796, doi:[10.1128/JB.01293-10](https://doi.org/10.1128/JB.01293-10).

122.

Huntley, S.; Hamann, N.; Wegener-Feldbrügge, S.; Treuner-Lange, A.; **Kube**, M.; Reinhardt, R.; Klages, S.; Müller, R.; Ronning, C.M.; Nierman, W.C.; et al. Comparative Genomic Analysis of Fruiting Body Formation in Myxococcales. *Mol Biol Evol* **2011**, 28, 1083–1097, doi:[10.1093/molbev/msq292](https://doi.org/10.1093/molbev/msq292).

123.

Stolle, E.; Wilfert, L.; Schmid-Hempel, R.; Schmid-Hempel, P.; **Kube**, M.; Reinhardt, R.; Moritz, R.F.A. A Second Generation Genetic Map of the Bumblebee *Bombus Terrestris* (Linnaeus, 1758) Reveals Slow Genome and Chromosome Evolution in the Apidae. *BMC Genomics* **2011**, 12, 48, doi:[10.1186/1471-2164-12-48](https://doi.org/10.1186/1471-2164-12-48).

124.

Jogler, C.; Wanner, G.; Kolinko, S.; Niebler, M.; Amann, R.; Petersen, N.; **Kube**, M.; Reinhardt, R.; Schüler, D. Conservation of Proteobacterial Magnetosome Genes and Structures in an Uncultivated Member of the Deep-Branching *Nitrospira* Phylum. *Proc Natl Acad Sci U S A* **2011**, 108, 1134–1139, doi:[10.1073/pnas.1012694108](https://doi.org/10.1073/pnas.1012694108).

125.

Michael, K. Insights in Host Dependency Encoded within Phytoplasma Genomes. In Proceedings of the Second International Phytoplasmologist Working Group Meeting; 2011; Vol. 64, p. 9.

126.

Massa, S.I.; Pearson, G.A.; Aires, T.; **Kube**, M.; Olsen, J.L.; Reinhardt, R.; Serrao, E.A.; Arnaud-Haond, S. Expressed Sequence Tags from Heat-Shocked Seagrass *Zostera Noltii* (Hornemann) from Its Southern Distribution Range. *Marine genomics* **2011**, 4, 181–188, doi:[10.1016/j.margen.2011.04.003](https://doi.org/10.1016/j.margen.2011.04.003).

127.

Kube, M.; Luge, T.; Seemüller, E.; Freiwald, A.; Sauer, S. Transcriptomics Assisted Proteomic Analysis of *Nicotiana glauca* Infected by *Candidatus Phytoplasma mali* Strain AT. **2011**, doi:[10.1002/pmic.201300551](https://doi.org/10.1002/pmic.201300551).

128.

Jogler, C.; Wanner, G.; Kolinko, S.; Niebler, M.; Amann, R.; Petersen, N.; **Kube**, M.; Reinhardt, R.; Schüler, D. Conservation of Proteobacterial Magnetosome Genes and Structures in an Uncultivated Member of the Deep-Branching *Nitrospira* Phylum. *Proceedings of the National Academy of Sciences* **2011**, 108, 1134–1139, doi:[10.1073/pnas.1012694108](https://doi.org/10.1073/pnas.1012694108).

129.

Jogler, C.; Niebler, M.; Lin, W.; **Kube**, M.; Wanner, G.; Kolinko, S.; Stief, P.; Beck, A.J.; De Beer, D.; Petersen, N.; et al. Cultivation-Independent Characterization of “*Candidatus Magnetobacterium*

Bavaricum" via Ultrastructural, Geochemical, Ecological and Metagenomic Methods. *Environ Microbiol* **2010**, *12*, 2466–2478, doi:[10.1111/j.1462-2920.2010.02220.x](https://doi.org/10.1111/j.1462-2920.2010.02220.x).

130.

Kube, M.; Migdoll, A.M.; Gehring, I.; Heitmann, K.; Mayer, Y.; Kuhl, H.; Knaust, F.; Geider, K.; Reinhardt, R. Genome Comparison of the Epiphytic Bacteria *Erwinia Billingiae* and *E. Tasmaniensis* with the Pear Pathogen *E. Pyrifoliae*. *BMC Genomics* **2010**, *11*, 393, doi:[10.1186/1471-2164-11-393](https://doi.org/10.1186/1471-2164-11-393).

131.

Glöckner, J.; **Kube**, M.; Shrestha, P.M.; Weber, M.; Glöckner, F.O.; Reinhardt, R.; Liesack, W. Phylogenetic Diversity and Metagenomics of Candidate Division OP3. *Environ Microbiol* **2010**, *12*, 1218–1229, doi:[10.1111/j.1462-2920.2010.02164.x](https://doi.org/10.1111/j.1462-2920.2010.02164.x).

132.

Pearson, G.A.; Hoarau, G.; Lago-Leston, A.; Coyer, J.A.; **Kube**, M.; Reinhardt, R.; Henckel, K.; Serrão, E.T.A.; Corre, E.; Olsen, J.L. An Expressed Sequence Tag Analysis of the Intertidal Brown Seaweeds *Fucus Serratus* (L.) and *F. Vesiculosus* (L.) (Heterokontophyta, Phaeophyceae) in Response to Abiotic Stressors. *Mar Biotechnol (NY)* **2010**, *12*, 195–213, doi:[10.1007/s10126-009-9208-z](https://doi.org/10.1007/s10126-009-9208-z).

133.

Denekamp, N.Y.; Reinhardt, R.; **Kube**, M.; Lubzens, E. Late Embryogenesis Abundant (LEA) Proteins in Nondesiccated, Encysted, and Diapausing Embryos of Rotifers. *Biol Reprod* **2010**, *82*, 714–724, doi:[10.1095/biolreprod.109.081091](https://doi.org/10.1095/biolreprod.109.081091).

134.

Jackson, D.J.; McDougall, C.; Woodcroft, B.; Moase, P.; Rose, R.A.; **Kube**, M.; Reinhardt, R.; Rokhsar, D.S.; Montagnani, C.; Joubert, C.; et al. Parallel Evolution of Nacre Building Gene Sets in Molluscs. *Mol Biol Evol* **2010**, *27*, 591–608, doi:[10.1093/molbev/msp278](https://doi.org/10.1093/molbev/msp278).

135.

Sadd, B.M.; **Kube**, M.; Klages, S.; Reinhardt, R.; Schmid-Hempel, P. Analysis of a Normalised Expressed Sequence Tag (EST) Library from a Key Pollinator, the Bumblebee *Bombus Terrestris*. *BMC Genomics* **2010**, *11*, 110, doi:[10.1186/1471-2164-11-110](https://doi.org/10.1186/1471-2164-11-110).

136.

Meyerdierks, A.; **Kube**, M.; Kostadinov, I.; Teeling, H.; Glöckner, F.O.; Reinhardt, R.; Amann, R. Metagenome and mRNA Expression Analyses of Anaerobic Methanotrophic Archaea of the ANME-1 Group. *Environ Microbiol* **2010**, *12*, 422–439, doi:[10.1111/j.1462-2920.2009.02083.x](https://doi.org/10.1111/j.1462-2920.2009.02083.x).

137.

Raabe, C.A.; Sanchez, C.P.; Randau, G.; Robeck, T.; Skryabin, B.V.; Chinni, S.V.; **Kube**, M.; Reinhardt, R.; Ng, G.H.; Manickam, R.; et al. A Global View of the Nonprotein-Coding Transcriptome in *Plasmodium Falciparum*. *Nucleic Acids Res* **2010**, *38*, 608–617, doi:[10.1093/nar/gkp895](https://doi.org/10.1093/nar/gkp895).

138.

Pearson, G.A.; Hoarau, G.; Lago-Leston, A.; Coyer, J.A.; **Kube**, M.; Reinhardt, R.; Henckel, K.; Serrão, E.T.; Corre, E.; Olsen, J.L. An Expressed Sequence Tag Analysis of the Intertidal Brown Seaweeds *Fucus*

Serratus (L.) and F. Vesiculosus (L.)(Heterokontophyta, Phaeophyceae) in Response to Abiotic Stressors. *Marine Biotechnology* **2010**, 12, 195–213, doi:[10.1007/s10126-009-9208-z](https://doi.org/10.1007/s10126-009-9208-z).

139.

Meyerdierks, A.; **Kube**, M.; Kostadinov, I.; Teeling, H.; Glöckner, F.O.; Reinhardt, R.; Amann, R. Metagenome and mRNA Expression Analyses of Anaerobic Methanotrophic Archaea of the ANME-1 Group. *Environmental microbiology* **2010**, 12, 422–439, doi:[10.1111/j.1462-2920.2009.02083.x](https://doi.org/10.1111/j.1462-2920.2009.02083.x).

140.

Kube, M.; Migdoll, A.M.; Gehring, I.; Heitmann, K.; Mayer, Y.; Kuhl, H.; Knaust, F.; Geider, K.; Reinhardt, R. Genome Comparison of the Epiphytic Bacteria *Erwinia Billingiae* and *E. Tasmaniensis* with the Pear Pathogen *E. Pyrifoliae*. *BMC genomics* **2010**, 11, 1–15, doi:[10.1186/1471-2164-11-393](https://doi.org/10.1186/1471-2164-11-393).

141.

Jogler, C.; Niebler, M.; Lin, W.; **Kube**, M.; Wanner, G.; Kolinko, S.; Stief, P.; Beck, A.J.; de Beer, D.; Petersen, N. Cultivation-independent Characterization of ‘*Candidatus* Magnetobacterium Bavaricum’ via Ultrastructural, Geochemical, Ecological and Metagenomic Methods. *Environmental Microbiology* **2010**, 12, 2466–2478, doi:[10.1111/j.1462-2920.2010.02220.x](https://doi.org/10.1111/j.1462-2920.2010.02220.x).

142.

Jackson, D.J.; McDougall, C.; Woodcroft, B.; Moase, P.; Rose, R.A.; **Kube**, M.; Reinhardt, R.; Rokhsar, D.S.; Montagnani, C.; Joubert, C. Parallel Evolution of Nacre Building Gene Sets in Molluscs. *Molecular biology and evolution* **2010**, 27, 591–608, doi:[10.1093/molbev/msp278](https://doi.org/10.1093/molbev/msp278).

143.

Glöckner, J.; **Kube**, M.; Shrestha, P.M.; Weber, M.; Glöckner, F.O.; Reinhardt, R.; Liesack, W. Phylogenetic Diversity and Metagenomics of Candidate Division OP3. *Environmental microbiology* **2010**, 12, 1218–1229, doi:[10.1111/j.1462-2920.2010.02164.x](https://doi.org/10.1111/j.1462-2920.2010.02164.x).

144.

Denekamp, N.Y.; Reinhardt, R.; **Kube**, M.; Lubzens, E. Late Embryogenesis Abundant (LEA) Proteins in Nondesiccated, Encysted, and Diapausing Embryos of Rotifers. *Biology of reproduction* **2010**, 82, 714–724, doi:[10.1095/biolreprod.109.081091](https://doi.org/10.1095/biolreprod.109.081091).

145.

Roeding, F.; Borner, J.; **Kube**, M.; Klages, S.; Reinhardt, R.; Burmester, T. A 454 Sequencing Approach for Large Scale Phylogenomic Analysis of the Common Emperor Scorpion (*Pandinus Imperator*). *Mol Phylogenet Evol* **2009**, 53, 826–834, doi:[10.1016/j.ympev.2009.08.014](https://doi.org/10.1016/j.ympev.2009.08.014).

146.

Jogler, C.; Lin, W.; Meyerdierks, A.; **Kube**, M.; Katzmann, E.; Flies, C.; Pan, Y.; Amann, R.; Reinhardt, R.; Schüler, D. Toward Cloning of the Magnetotactic Metagenome: Identification of Magnetosome Island Gene Clusters in Uncultivated Magnetotactic Bacteria from Different Aquatic Sediments. *Appl Environ Microbiol* **2009**, 75, 3972–3979, doi:[10.1128/AEM.02701-08](https://doi.org/10.1128/AEM.02701-08).

147.

Jogler, C.; **Kube**, M.; Schübbe, S.; Ullrich, S.; Teeling, H.; Bazylnski, D.A.; Reinhardt, R.; Schüler, D. Comparative Analysis of Magnetosome Gene Clusters in Magnetotactic Bacteria Provides Further

Evidence for Horizontal Gene Transfer. *Environ Microbiol* **2009**, *11*, 1267–1277, doi:[10.1111/j.1462-2920.2009.01854.x](https://doi.org/10.1111/j.1462-2920.2009.01854.x).

148.

Shrestha, P.M.; **Kube**, M.; Reinhardt, R.; Liesack, W. Transcriptional Activity of Paddy Soil Bacterial Communities. *Environ Microbiol* **2009**, *11*, 960–970, doi:[10.1111/j.1462-2920.2008.01821.x](https://doi.org/10.1111/j.1462-2920.2008.01821.x).

149.

Denekamp, N.Y.; Thorne, M.A.S.; Clark, M.S.; **Kube**, M.; Reinhardt, R.; Lubzens, E. Discovering Genes Associated with Dormancy in the Monogonont Rotifer *Brachionus Plicatilis*. *BMC Genomics* **2009**, *10*, 108, doi:[10.1186/1471-2164-10-108](https://doi.org/10.1186/1471-2164-10-108).

150.

Musat, F.; Galushko, A.; Jacob, J.; Widdel, F.; **Kube**, M.; Reinhardt, R.; Wilkes, H.; Schink, B.; Rabus, R. Anaerobic Degradation of Naphthalene and 2-Methylnaphthalene by Strains of Marine Sulfate-Reducing Bacteria. *Environ Microbiol* **2009**, *11*, 209–219, doi:[10.1111/j.1462-2920.2008.01756.x](https://doi.org/10.1111/j.1462-2920.2008.01756.x).

151.

Shrestha, P.M.; **Kube**, M.; Reinhardt, R.; Liesack, W. Transcriptional Activity of Paddy Soil Bacterial Communities. *Environmental Microbiology* **2009**, *11*, 960–970, doi:[10.1111/j.1462-2920.2008.01821.x](https://doi.org/10.1111/j.1462-2920.2008.01821.x).

152.

Jogler, C.; Lin, W.; Meyerdierks, A.; **Kube**, M.; Katzmann, E.; Flies, C.; Pan, Y.; Amann, R.; Reinhardt, R.; Schüler, D. Toward Cloning of the Magnetotactic Metagenome: Identification of Magnetosome Island Gene Clusters in Uncultivated Magnetotactic Bacteria from Different Aquatic Sediments. *Applied and environmental microbiology* **2009**, *75*, 3972–3979, doi:[10.1128/AEM.02701-08](https://doi.org/10.1128/AEM.02701-08).

153.

Choudhury, K.; Zander, D.; **Kube**, M.; Reinhardt, R.; Clos, J. Identification of a *Leishmania Infantum* Gene Mediating Resistance to Miltefosine and SbIII. *Int J Parasitol* **2008**, *38*, 1411–1423, doi:[10.1016/j.ijpara.2008.03.005](https://doi.org/10.1016/j.ijpara.2008.03.005).

154.

Kolmakov, N.N.; **Kube**, M.; Reinhardt, R.; Canario, A.V.M. Analysis of the Goldfish *Carassius Auratus* Olfactory Epithelium Transcriptome Reveals the Presence of Numerous Non-Olfactory GPCR and Putative Receptors for Progestin Pheromones. *BMC Genomics* **2008**, *9*, 429, doi:[10.1186/1471-2164-9-429](https://doi.org/10.1186/1471-2164-9-429).

155.

Kube, M.; Migdoll, A.M.; Müller, I.; Kuhl, H.; Beck, A.; Reinhardt, R.; Geider, K. The Genome of *Erwinia Tasmaniensis* Strain Et1/99, a Non-Pathogenic Bacterium in the Genus *Erwinia*. *Environ Microbiol* **2008**, *10*, 2211–2222, doi:[10.1111/j.1462-2920.2008.01639.x](https://doi.org/10.1111/j.1462-2920.2008.01639.x).

156.

Sauer, S.; Freiwald, A.; Maier, T.; **Kube**, M.; Reinhardt, R.; Kostrzewa, M.; Geider, K. Classification and Identification of Bacteria by Mass Spectrometry and Computational Analysis. *PLoS One* **2008**, *3*, e2843, doi:[10.1371/journal.pone.0002843](https://doi.org/10.1371/journal.pone.0002843).

157.

Kube, M.; Schneider, B.; Kuhl, H.; Dandekar, T.; Heitmann, K.; Migdoll, A.M.; Reinhardt, R.; Seemüller, E. The Linear Chromosome of the Plant-Pathogenic Mycoplasma “*Candidatus* Phytoplasma Mali.” *BMC Genomics* **2008**, *9*, 306, doi:[10.1186/1471-2164-9-306](https://doi.org/10.1186/1471-2164-9-306).

158.

Tran-Nguyen, L.T.T.; **Kube**, M.; Schneider, B.; Reinhardt, R.; Gibb, K.S. Comparative Genome Analysis of “*Candidatus* Phytoplasma Australiense” (Subgroup Tuf-Australia I; Rp-A) and “Ca. Phytoplasma Asteris” Strains OY-M and AY-WB. *J Bacteriol* **2008**, *190*, 3979–3991, doi:[10.1128/JB.01301-07](https://doi.org/10.1128/JB.01301-07).

159.

Warren, W.C.; Hillier, L.W.; Marshall Graves, J.A.; Birney, E.; Ponting, C.P.; Grützner, F.; Belov, K.; Miller, W.; Clarke, L.; Chinwalla, A.T.; et al. Genome Analysis of the Platypus Reveals Unique Signatures of Evolution. *Nature* **2008**, *453*, 175–183, doi:[10.1038/nature06936](https://doi.org/10.1038/nature06936).

160.

STAR Consortium; Saar, K.; Beck, A.; Bihoreau, M.-T.; Birney, E.; Brocklebank, D.; Chen, Y.; Cuppen, E.; Demonchy, S.; Dopazo, J.; et al. SNP and Haplotype Mapping for Genetic Analysis in the Rat. *Nat Genet* **2008**, *40*, 560–566, doi:[10.1038/ng.124](https://doi.org/10.1038/ng.124).

161.

Tanguy, A.; Bierne, N.; Saavedra, C.; Pina, B.; Bachère, E.; **Kube**, M.; Bazin, E.; Bonhomme, F.; Boudry, P.; Boulo, V.; et al. Increasing Genomic Information in Bivalves through New EST Collections in Four Species: Development of New Genetic Markers for Environmental Studies and Genome Evolution. *Gene* **2008**, *408*, 27–36, doi:[10.1016/j.gene.2007.10.021](https://doi.org/10.1016/j.gene.2007.10.021).

162.

SNP and Haplotype Mapping for Genetic Analysis in the Rat. *Nature genetics* **2008**, *40*, 560–566, doi:[10.1038/ng.124](https://doi.org/10.1038/ng.124).

163.

Tanguy, A.; Bierne, N.; Saavedra, C.; Pina, B.; Bachère, E.; **Kube**, M.; Bazin, E.; Bonhomme, F.; Boudry, P.; Boulo, V. Increasing Genomic Information in Bivalves through New EST Collections in Four Species: Development of New Genetic Markers for Environmental Studies and Genome Evolution. *Gene* **2008**, *408*, 27–36, doi:[10.1016/j.gene.2007.10.021](https://doi.org/10.1016/j.gene.2007.10.021).

164.

Sharp, J.; Nicholas, K.; Warren, W.C.; Hillier, L.W.; Marshall Graves, J.A.; Birney, E.; Ponting, C.P.; Grützner, F.; Belov, K.; Miller, W. Genome Analysis of the Platypus Reveals Unique Signatures of Evolution. **2008**, doi:[10.1038/nature06936](https://doi.org/10.1038/nature06936).

165.

Reusch, T.B.H.; Veron, A.S.; Preuss, C.; Weiner, J.; Wissler, L.; Beck, A.; Klages, S.; **Kube**, M.; Reinhardt, R.; Bornberg-Bauer, E. Comparative Analysis of Expressed Sequence Tag (EST) Libraries in the Seagrass *Zostera Marina* Subjected to Temperature Stress. *Mar Biotechnol (NY)* **2008**, *10*, 297–309, doi:[10.1007/s10126-007-9065-6](https://doi.org/10.1007/s10126-007-9065-6).

166.

Kube, M.; Schneider, B.; Kuhl, H.; Dandekar, T.; Heitmann, K.; Migdoll, A.M.; Reinhardt, R.; Seemüller, E. The Linear Chromosome of the Plant-Pathogenic Mycoplasma 'Candidatus Phytoplasma Mali'. *Bmc Genomics* **2008**, *9*, 1–14, doi:[10.1186/1471-2164-9-306](https://doi.org/10.1186/1471-2164-9-306).

167.

Clark, M.S.; Thorne, M.A.; Purać, J.; Grubor-Lajsić, G.; **Kube**, M.; Reinhardt, R.; Worland, M.R. Surviving Extreme Polar Winters by Desiccation: Clues from Arctic Springtail (Onychiurus Arcticus) EST Libraries. *BMC Genomics* **2007**, *8*, 475, doi:[10.1186/1471-2164-8-475](https://doi.org/10.1186/1471-2164-8-475).

168.

Roeding, F.; Hagner-Holler, S.; Ruhberg, H.; Ebersberger, I.; von Haeseler, A.; **Kube**, M.; Reinhardt, R.; Burmester, T. EST Sequencing of Onychophora and Phylogenomic Analysis of Metazoa. *Mol Phylogenet Evol* **2007**, *45*, 942–951, doi:[10.1016/j.ympev.2007.09.002](https://doi.org/10.1016/j.ympev.2007.09.002).

169.

Ryder, E.; Ashburner, M.; Bautista-Llacer, R.; Drummond, J.; Webster, J.; Johnson, G.; Morley, T.; Chan, Y.S.; Blows, F.; Coulson, D.; et al. The DrosDel Deletion Collection: A Drosophila Genomewide Chromosomal Deficiency Resource. *Genetics* **2007**, *177*, 615–629, doi:[10.1534/genetics.107.076216](https://doi.org/10.1534/genetics.107.076216).

170.

Richter, M.; **Kube**, M.; Bazylnski, D.A.; Lombardot, T.; Glöckner, F.O.; Reinhardt, R.; Schüler, D. Comparative Genome Analysis of Four Magnetotactic Bacteria Reveals a Complex Set of Group-Specific Genes Implicated in Magnetosome Biomineralization and Function. *J Bacteriol* **2007**, *189*, 4899–4910, doi:[10.1128/JB.00119-07](https://doi.org/10.1128/JB.00119-07).

171.

Knaust, F.; **Kube**, M.; Reinhardt, R.; Rabus, R. Analyses of the Vrl Gene Cluster in Desulfococcus Multivorans: Homologous to the Virulence-Associated Locus of the Ovine Footrot Pathogen Dichelobacter Nodosus Strain A198. *J Mol Microbiol Biotechnol* **2007**, *13*, 156–164, doi:[10.1159/000103607](https://doi.org/10.1159/000103607).

172.

Bauer, M.; **Kube**, M.; Teeling, H.; Richter, M.; Lombardot, T.; Allers, E.; Würdemann, C.A.; Quast, C.; Kuhl, H.; Knaust, F.; et al. Whole Genome Analysis of the Marine Bacteroidetes 'Gramella Forsetii' Reveals Adaptations to Degradation of Polymeric Organic Matter. *Environ Microbiol* **2006**, *8*, 2201–2213, doi:[10.1111/j.1462-2920.2006.01152.x](https://doi.org/10.1111/j.1462-2920.2006.01152.x).

173.

Erkel, C.; **Kube**, M.; Reinhardt, R.; Liesack, W. Genome of Rice Cluster I Archaea--the Key Methane Producers in the Rice Rhizosphere. *Science* **2006**, *313*, 370–372, doi:[10.1126/science.1127062](https://doi.org/10.1126/science.1127062).

174.

Muzny, D.M.; Scherer, S.E.; Kaul, R.; Wang, J.; Yu, J.; Sudbrak, R.; Buhay, C.J.; Chen, R.; Cree, A.; Ding, Y.; et al. The DNA Sequence, Annotation and Analysis of Human Chromosome 3. *Nature* **2006**, *440*, 1194–1198, doi:[10.1038/nature04728](https://doi.org/10.1038/nature04728).

175.

Erkel, C.; **Kube**, M.; Reinhardt, R.; Liesack, W. Genome of Rice Cluster I Archaea the Key Methane Producers in the Rice Rhizosphere. *Science* **2006**, *313*, 370–372.

176.

Bauer, M.; **Kube**, M.; Teeling, H.; Richter, M.; Lombardot, T.; Allers, E.; Würdemann, C.A.; Quast, C.; Kuhl, H.; Knaust, F. Whole Genome Analysis of the Marine Bacteroidetes 'Gramella Forsetii' Reveals Adaptations to Degradation of Polymeric Organic Matter. *Environmental Microbiology* **2006**, *8*, 2201–2213, doi:[10.1111/j.1462-2920.2006.01152.x](https://doi.org/10.1111/j.1462-2920.2006.01152.x).

177.

Meyerdierks, A.; **Kube**, M.; Lombardot, T.; Knittel, K.; Bauer, M.; Glöckner, F.O.; Reinhardt, R.; Amann, R. Insights into the Genomes of Archaea Mediating the Anaerobic Oxidation of Methane. *Environ Microbiol* **2005**, *7*, 1937–1951, doi:[10.1111/j.1462-2920.2005.00844.x](https://doi.org/10.1111/j.1462-2920.2005.00844.x).

178.

Ullrich, S.; **Kube**, M.; Schübbe, S.; Reinhardt, R.; Schüler, D. A Hypervariable 130-Kilobase Genomic Region of Magnetospirillum Gryphiswaldense Comprises a Magnetosome Island Which Undergoes Frequent Rearrangements during Stationary Growth. *J Bacteriol* **2005**, *187*, 7176–7184, doi:[10.1128/JB.187.21.7176-7184.2005](https://doi.org/10.1128/JB.187.21.7176-7184.2005).

179.

Ricke, P.; **Kube**, M.; Nakagawa, S.; Erkel, C.; Reinhardt, R.; Liesack, W. First Genome Data from Uncultured Upland Soil Cluster Alpha Methanotrophs Provide Further Evidence for a Close Phylogenetic Relationship to Methylocapsa Acidiphila B2 and for High-Affinity Methanotrophy Involving Particulate Methane Monooxygenase. *Appl Environ Microbiol* **2005**, *71*, 7472–7482, doi:[10.1128/AEM.71.11.7472-7482.2005](https://doi.org/10.1128/AEM.71.11.7472-7482.2005).

180.

Musmann, M.; Richter, M.; Lombardot, T.; Meyerdierks, A.; Kuever, J.; **Kube**, M.; Glöckner, F.O.; Amann, R. Clustered Genes Related to Sulfate Respiration in Uncultured Prokaryotes Support the Theory of Their Concomitant Horizontal Transfer. *J Bacteriol* **2005**, *187*, 7126–7137, doi:[10.1128/JB.187.20.7126-7137.2005](https://doi.org/10.1128/JB.187.20.7126-7137.2005).

181.

Kube, M.; Beck, A.; Zinder, S.H.; Kuhl, H.; Reinhardt, R.; Adrian, L. Genome Sequence of the Chlorinated Compound-Respiring Bacterium Dehalococcoides Species Strain CBDB1. *Nat Biotechnol* **2005**, *23*, 1269–1273, doi:[10.1038/nbt1131](https://doi.org/10.1038/nbt1131).

182.

Gade, D.; Theiss, D.; Lange, D.; Mirgorodskaya, E.; Lombardot, T.; Glöckner, F.O.; **Kube**, M.; Reinhardt, R.; Amann, R.; Lehrach, H.; et al. Towards the Proteome of the Marine Bacterium Rhodopirellula Baltica: Mapping the Soluble Proteins. *Proteomics* **2005**, *5*, 3654–3671, doi:[10.1002/pmic.200401201](https://doi.org/10.1002/pmic.200401201).

183.

Ivens, A.C.; Peacock, C.S.; Worthey, E.A.; Murphy, L.; Aggarwal, G.; Berriman, M.; Sisk, E.; Rajandream, M.-A.; Adlem, E.; Aert, R.; et al. The Genome of the Kinetoplastid Parasite, Leishmania Major. *Science* **2005**, *309*, 436–442, doi:[10.1126/science.1112680](https://doi.org/10.1126/science.1112680).

184.

Erkel, C.; Kemnitz, D.; **Kube**, M.; Ricke, P.; Chin, K.-J.; Dedysh, S.; Reinhardt, R.; Conrad, R.; Liesack, W. Retrieval of First Genome Data for Rice Cluster I Methanogens by a Combination of Cultivation and Molecular Techniques. *FEMS Microbiol Ecol* **2005**, *53*, 187–204, doi:[10.1016/j.femsec.2004.12.004](https://doi.org/10.1016/j.femsec.2004.12.004).

185.

Kube, M.; Beck, A.; Meyerdierks, A.; Amann, R.; Reinhardt, R.; Rabus, R. A Catabolic Gene Cluster for Anaerobic Benzoate Degradation in Methanotrophic Microbial Black Sea Mats. *Syst Appl Microbiol* **2005**, *28*, 287–294, doi:[10.1016/j.syapm.2005.02.006](https://doi.org/10.1016/j.syapm.2005.02.006).

186.

Kühner, S.; Wöhlbrand, L.; Fritz, I.; Wruck, W.; Hultschig, C.; Hufnagel, P.; **Kube**, M.; Reinhardt, R.; Rabus, R. Substrate-Dependent Regulation of Anaerobic Degradation Pathways for Toluene and Ethylbenzene in a Denitrifying Bacterium, Strain EbN1. *J Bacteriol* **2005**, *187*, 1493–1503, doi:[10.1128/JB.187.4.1493-1503.2005](https://doi.org/10.1128/JB.187.4.1493-1503.2005).

187.

Rabus, R.; **Kube**, M.; Heider, J.; Beck, A.; Heitmann, K.; Widdel, F.; Reinhardt, R. The Genome Sequence of an Anaerobic Aromatic-Degrading Denitrifying Bacterium, Strain EbN1. *Arch Microbiol* **2005**, *183*, 27–36, doi:[10.1007/s00203-004-0742-9](https://doi.org/10.1007/s00203-004-0742-9).

188.

Lee, B.-M.; Park, Y.-J.; Park, D.-S.; Kang, H.-W.; Kim, J.-G.; Song, E.-S.; Park, I.-C.; Yoon, U.-H.; Hahn, J.-H.; Koo, B.-S. The Genome Sequence of Xanthomonas Oryzae Pathovar Oryzae KACC10331, the Bacterial Blight Pathogen of Rice. *Nucleic acids research* **2005**, *33*, 577–586, doi:[10.1093/nar/gki206](https://doi.org/10.1093/nar/gki206).

189.

Schultheiss, D.; **Kube**, M.; Schüler, D. Inactivation of the Flagellin Gene flaA in Magnetospirillum Gryphiswaldense Results in Nonmagnetotactic Mutants Lacking Flagellar Filaments. *Appl Environ Microbiol* **2004**, *70*, 3624–3631, doi:[10.1128/AEM.70.6.3624-3631.2004](https://doi.org/10.1128/AEM.70.6.3624-3631.2004).

190.

Ryder, E.; Blows, F.; Ashburner, M.; Bautista-Llacer, R.; Coulson, D.; Drummond, J.; Webster, J.; Gubb, D.; Gunton, N.; Johnson, G.; et al. The DrosDel Collection: A Set of P-Element Insertions for Generating Custom Chromosomal Aberrations in Drosophila Melanogaster. *Genetics* **2004**, *167*, 797–813, doi:[10.1534/genetics.104.026658](https://doi.org/10.1534/genetics.104.026658).

191.

Watanabe, H.; Fujiyama, A.; Hattori, M.; Taylor, T.D.; Toyoda, A.; Kuroki, Y.; Noguchi, H.; BenKahla, A.; Lehrach, H.; Sudbrak, R.; et al. DNA Sequence and Comparative Analysis of Chimpanzee Chromosome 22. *Nature* **2004**, *429*, 382–388, doi:[10.1038/nature02564](https://doi.org/10.1038/nature02564).

192.

Ricke, P.; Erkel, C.; **Kube**, M.; Reinhardt, R.; Liesack, W. Comparative Analysis of the Conventional and Novel Pmo (Particulate Methane Monooxygenase) Operons from Methylocystis Strain SC2. *Appl Environ Microbiol* **2004**, *70*, 3055–3063, doi:[10.1128/AEM.70.5.3055-3063.2004](https://doi.org/10.1128/AEM.70.5.3055-3063.2004).

193.

Kube, M.; Heider, J.; Amann, J.; Hufnagel, P.; Kühner, S.; Beck, A.; Reinhardt, R.; Rabus, R. Genes Involved in the Anaerobic Degradation of Toluene in a Denitrifying Bacterium, Strain EbN1. *Arch Microbiol* **2004**, *181*, 182–194, doi:[10.1007/s00203-003-0627-3](https://doi.org/10.1007/s00203-003-0627-3).

194.

Grünberg, K.; Müller, E.-C.; Otto, A.; Reszka, R.; Linder, D.; **Kube, M.**; Reinhardt, R.; Schüler, D. Biochemical and Proteomic Analysis of the Magnetosome Membrane in *Magnetospirillum Gryphiswaldense*. *Appl Environ Microbiol* **2004**, *70*, 1040–1050, doi:[10.1128/AEM.70.2.1040-1050.2004](https://doi.org/10.1128/AEM.70.2.1040-1050.2004).

195.

Krüger, M.; Meyerdierks, A.; Glöckner, F.O.; Amann, R.; Widdel, F.; **Kube, M.**; Reinhardt, R.; Kahnt, J.; Böcher, R.; Thauer, R.K.; et al. A Conspicuous Nickel Protein in Microbial Mats That Oxidize Methane Anaerobically. *Nature* **2003**, *426*, 878–881, doi:[10.1038/nature02207](https://doi.org/10.1038/nature02207).

196.

Schübbe, S.; **Kube, M.**; Scheffel, A.; Wawer, C.; Heyen, U.; Meyerdierks, A.; Madkour, M.H.; Mayer, F.; Reinhardt, R.; Schüler, D. Characterization of a Spontaneous Nonmagnetic Mutant of *Magnetospirillum Gryphiswaldense* Reveals a Large Deletion Comprising a Putative Magnetosome Island. *J Bacteriol* **2003**, *185*, 5779–5790, doi:[10.1128/JB.185.19.5779-5790.2003](https://doi.org/10.1128/JB.185.19.5779-5790.2003).

197.

Glöckner, F.O.; **Kube, M.**; Bauer, M.; Teeling, H.; Lombardot, T.; Ludwig, W.; Gade, D.; Beck, A.; Borzym, K.; Heitmann, K.; et al. Complete Genome Sequence of the Marine Planctomycete *Pirellula* Sp. Strain 1. *Proc Natl Acad Sci U S A* **2003**, *100*, 8298–8303, doi:[10.1073/pnas.1431443100](https://doi.org/10.1073/pnas.1431443100).

198.

Schübbe, S.; **Kube, M.**; Scheffel, A.; Wawer, C.; Heyen, U.; Meyerdierks, A.; Madkour, M.H.; Mayer, F.; Reinhardt, R.; Schüler, D. Characterization of a Spontaneous Nonmagnetic Mutant of *Magnetospirillum Gryphiswaldense* Reveals a Large Deletion Comprising a Putative Magnetosome Island. *Journal of bacteriology* **2003**, *185*, 5779–5790.

199.

Sakaki, Y.; Watanabe, H.; Taylor, T.; Hattori, M.; Fujiyama, A.; Toyoda, A.; Kuroki, Y.; Itoh, T.; Saitou, N.; Oota, S.; et al. Human versus Chimpanzee Chromosome-Wide Sequence Comparison and Its Evolutionary Implication. *Cold Spring Harb Symp Quant Biol* **2003**, *68*, 455–460, doi:[10.1101/sqb.2003.68.455](https://doi.org/10.1101/sqb.2003.68.455).

200.

Krüger, M.; Meyerdierks, A.; Glöckner, F.O.; Amann, R.; Widdel, F.; **Kube, M.**; Reinhardt, R.; Kahnt, J.; Böcher, R.; Thauer, R.K. A Conspicuous Nickel Protein in Microbial Mats That Oxidize Methane Anaerobically. *Nature* **2003**, *426*, 878–881, doi:[10.1038/nature02207](https://doi.org/10.1038/nature02207).

201.

Rabus, R.; **Kube, M.**; Beck, A.; Widdel, F.; Reinhardt, R. Genes Involved in the Anaerobic Degradation of Ethylbenzene in a Denitrifying Bacterium, Strain EbN1. *Arch Microbiol* **2002**, *178*, 506–516, doi:[10.1007/s00203-002-0487-2](https://doi.org/10.1007/s00203-002-0487-2).

202.

Rabus, R.; Gade, D.; Helbig, R.; Bauer, M.; Glöckner, F.O.; **Kube**, M.; Schlesner, H.; Reinhardt, R.; Amann, R. Analysis of N-Acetylglucosamine Metabolism in the Marine Bacterium *Pirellula* Sp. Strain 1 by a Proteomic Approach. *Proteomics* **2002**, *2*, 649–655, doi:[10.1002/1615-9861\(200206\)2:6%3C649::AID-PROT649%3E3.0.CO;2-R](https://doi.org/10.1002/1615-9861(200206)2:6%3C649::AID-PROT649%3E3.0.CO;2-R).

203.

Motherby, H.; Pomjanski, N.; **Kube**, M.; Boros, A.; Heiden, T.; Tribukait, B.; Böcking, A. Diagnostic DNA-Flow- vs. -Image-Cytometry in Effusion Cytology. *Anal Cell Pathol* **2002**, *24*, 5–15, doi:[10.1155/2002/840210](https://doi.org/10.1155/2002/840210).

204.

Seo, H.C.; **Kube**, M.; Edvardsen, R.B.; Jensen, M.F.; Beck, A.; Spriet, E.; Gorsky, G.; Thompson, E.M.; Lehrach, H.; Reinhardt, R.; et al. Miniature Genome in the Marine Chordate *Oikopleura* Dioica. *Science* **2001**, *294*, 2506, doi:[10.1126/science.294.5551.2506](https://doi.org/10.1126/science.294.5551.2506).

205.

Motherby, H.; **Kube**, M.; Friedrichs, N.; Nadjari, B.; Knops, K.; Donner, A.; Baschiera, B.; Dalquen, P.; Böcking, A. Immunocytochemistry and DNA-Image Cytometry in Diagnostic Effusion Cytology I. Prevalence of Markers in Tumour Cell Positive and Negative Smears. *Anal Cell Pathol* **1999**, *19*, 7–20, doi:[10.1155/1999/459158](https://doi.org/10.1155/1999/459158).

206.

Motherby, H.; Ross, B.; **Kube**, M.; Germing, U.; Heyll, A.; Aul, C.; Braunstein, S.; Gabbert, H.E.; Böcking, A. Pleural Carcinosis Confirmed by Adjuvant Cytological Methods: A Case Report. *Diagn Cytopathol* **1998**, *19*, 370–374, doi:[10.1002/\(sici\)1097-0339\(199811\)19:5%3C370::aid-dc12%3E3.0.co;2-5](https://doi.org/10.1002/(sici)1097-0339(199811)19:5%3C370::aid-dc12%3E3.0.co;2-5).

207.

Ross, B.; Motherby, H.; Saurenbach, F.; Frohn, J.; **Kube**, M.; Böcking, A. Atomic Force Microscopy in Effusion Cytology. *Anal Quant Cytol Histol* **1998**, *20*, 97–104.

208.

Kube, M.J.; Greenberg, M.L. Cytology of a Benign Phyllodes Tumour with Keratin Cyst Formation; a Spectrum of Diagnostic Pitfalls. *Cytopathology* **1995**, *6*, 121–125, doi:[10.1111/j.1365-2303.1995.tb00458.x](https://doi.org/10.1111/j.1365-2303.1995.tb00458.x).

209.

Kube, M.J.; McDonald, D.A.; Quin, J.W.; Greenberg, M.L. Use of Archival and Fresh Cytologic Material for the Polymerase Chain Reaction. Detection of the Bcl-2 Oncogene in Lymphoid Tissue Obtained by Fine Needle Biopsy. *Anal Quant Cytol Histol* **1994**, *16*, 174–182.

210.

Kube, M.; Wernick, M.; Murphy, S. “Learned Helplessness” and the Patient with Progressive Supranuclear Palsy. *Adv Clin Care* **1990**, *5*, 24–27.