Technical Rules for Biological Agents

Classification of Prokaryotes (Bacteria and Archaea) into Risk Groups

TRBA 466

Edition: December 2010

The Technical Rules for Biological Agents (TRBA) reflect the state of technology, occupational health and occupational hygiene as well as other scientific knowledge relating to activities involving biological agents.

The Committee on Biological Agents (ABAS) complies or adapts the rules and they are announced by the Federal Ministry of Labour and Social Affairs (BMAS) in the Joint Ministerial Gazette (GMBI).

Within its scope the present TRBA 466 specifies in concrete terms the requirements of the Biological Agents Ordinance concerning activities involving biological agents with respect to the classification of prokaryotes (bacteria and archaea) into risk groups. If the technical rules are adhered to the employer may assume that the relevant requirements of the Ordinance have been fulfilled. If the employer chooses a different solution he must at least attain the same degree of safety and the same level of health protection for workers.

The present technical rules are based on BGI 633 "Safe biotechnology – Classification of biological agents: prokaryotes (bacteria and archaea)" of the Expert Committee for the Chemical Industry. The Committee on Biological Agents has incorporated the basic content of BGI 633 "Safe biotechnology – Classification of biological agents: prokaryotes (bacteria and archaea)" in its technical rules as TRBA by applying the co-operation model (BArbBI. 6/2003 p. 48).

The Expert Committee for the Chemical Industry is responsible, in consultation with the ABAS, for updating the TRBA. If the ABAS considers changes are necessary, it shall request the Expert Committee for the Chemical Industry to review the possibility of adaptation.

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1. Scope

The present TRBA applies to the classification of prokaryotes into risk groups under the Ordinance on safety and health in activities involving biological agents (Biological Agents Ordinance).

2. General

(1) The classifications of prokaryotes given under 3.4 of the present TRBA include the legal classifications according to Annex III of the Directive on the protection of workers from risks related to exposure to biological agents at work (2000/54/EC) [1]. Further classifications according to the state of scientific knowledge are taken from the BG information document "Safe biotechnology – Classification of biological agents: prokaryotes (bacteria and achaea)"

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of the Berufsgenossenschaft (institution for statutory accident insurance and prevention in the Chemical Industry [2].

- (2) Criteria for the classification of biological agents and a detailed glossary are given in TRBA 450 "Criteria for the classification of biological agents" [3].
- (3) For the classification the risk of infection the bacteria cause to healthy workers is the crucial factor. Accordingly a classification into risk groups 2 to 4 is implemented. The list of classifications also contains prokaryotes for which it is improbable that they will cause an infectious disease in humans and which are therefore assigned to risk group 1.
- (4) Newly discovered and/or unevaluated prokaryotes must be classified by the employer himself.

3. List of classifications of prokaryotes (bacteria and archaea)

3.1 Preliminary remarks

- (1) The legal classifications according to Annex III of Directive 2000/54/EC are highlighted in bold in the following list.
- (2) Archaea are identified in the list under 3.4 by italic script. Pathogenic archaea have not been known to date and so all types are assigned to risk group 1.
- (3) If a strain is weakened or it has lost known virulence genes, the safety measures required because of the classification of its parent strain do not necessarily have to be taken, subject to an appropriate evaluation of the potential risk at the workplace. This is the case, for example, if such a strain is to be used as a product or constituent of a product for prophylactic or therapeutic purposes.
- (4) For questions relating to classification the subcommittee 3 "Classification" of the ABAS¹⁾ is available to give advice.
- (5) The extensive group of cyanobacteria has not been included in the list below because of the as yet unclear classification and nomenclature.
- To date no cyanobacteria have been known which can cause infectious diseases in humans, and so these types can be assigned to risk group 1. In the risk assessment, however, the toxin formation of some species must be taken into account. [2]
- (6) If names of bacteria cannot be found in the list, they are either invalid or long obsolete designations or they are names of cyanobacteria or types of prokaryotes which have only recently been renamed or described anew.
- (7) In the case of biological agents classified in risk group 3 and identified with two asterisks (**) in the list the risk to workers of infection is limited because infection by the airborne route is not normally possible. These biological agents have now been tested to establish whether and to what extent certain safety measures can be dispensed with. Information on safety measures specific to these organisms are given in TRBA 100 "Protective measures for specific and non-specific activities involving biological agents in laboratories" [6].
- (8) In the list (3.4) there are not only classifications relevant to occupational safety and health, but also additional indications of animal and plant pathogenicity.

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¹⁾ Address: Geschäftsführung des ABAS Bundesanstalt für Arbeitsschutz and Arbeitsmedizin, Nöldnerstr. 40-42, 10317 Berlin

3.2 Remarks on nomenclature

Equals sign (=)

If two different designations are used for one type and they are both formally valid, an equals sign (=) is used to draw attention to this fact and the type is included in the list under both designations.

Example: Brevibacterium albidum = Curtobacterium albidum

Curtobacterium albidum = Brevibacterium albidum

• Synonym

If different designations are used for one type and one has formal priority over the other, this is indicated by the term "synonym".

Example: Acetivibrio cellulosolvens – synonym: Acetivibrio cellulolyticus

The designation given as the second one (after "synonym") has priority and is therefore furnished with the information relevant for the classification.

Arrow (→)

Types whose designations were changed after 1.1.1980 can be found in this list under all the designations used for them since then. In the case of the former designation an arrow "→" is used to indicate in what species the prokaryote has now been classified. In addition the earlier designations are repeated in parentheses () after the currently valid designation. Classification and possible remarks can only be found after the currently valid name.

Example: Ampullariella regularis \rightarrow Actinoplanes regularis

Actinoplanes regularis (Ampullariella regularis)

In individual cases, e.g. in the case of frequent industrial use, earlier designations are also listed.

Speech marks ("...")

Invalid type designations where such were common and clearly identified an existing prokaryote type are placed within speech marks – in addition to the valid designation as with the name changes after 1.1.1980.

Example: Actinomyces meyeri ("Actinobacterium" meyeri).

3.3 Identifying tags used in the column "Remarks"

+ In individual cases identified as or suspected of being pathogens, mainly in people with considerably reduced immunity; identification of the type is often not reliable.

- ht Pathogen for humans <u>and</u> vertebrates, but normally no transmission between the two host groups.
- ht+ In individual cases identified as or suspected of being pathogen for humans and vertebrates, mainly in people or animals with considerably reduced immunity; identification of type is often not reliable.
- n Pathogen for invertebrates; the tag "n" cannot claim to be exhaustive, however. In species without this tag it is therefore also possible that strains may occur which have the features of "n".
- n2 Because of pathogenicity for invertebrates it may be necessary to take safety measures which, in a way comparable to safety measures of protection level 2, minimise the escape of prokaryotes into the external environment or other working areas.
- Pathogen for plants; only prokaryotes are called plant-pathogenic where it is known that they cause plant diseases. But the tag "p" cannot claim to be exhaustive. In species without this tag it is therefore possible that strains may occur with the features of "p".
- p2 Because of the plant pathogenicity it may be necessary under plant protection law to take safety measures which, in a comparable way to safety measures of protection level 2, minimise the escape of prokaryotes into the external environment or other working areas.
- p3 Because of the plant pathogenicity it may be necessary under plant protection law to take safety measures which, in a comparable way to safety measures of protection level 3, prevent the escape of prokaryotes into the external environment or other working areas.
- Pathogen for vertebrates; humans are not infected under natural conditions. Because of the low host specificity of pathogenic prokaryotes, however, infection risks for workers may also arise in jobs involving high pathogen concentrations from most types which are primarily only pathogenic to animals. Such types have therefore been assigned to risk group 2 with the additional tag "t". If a prokaryote is pathogenic to both humans and animals under national conditions, the tag "ht" is used.
- t+ In individuals cases identified as or suspected of being pathogen for vertebrates; animal pathogenicity still has to be finally verified. There are no indications of human pathogenicity.
- t2 Because of the vertebrate pathogenicity it may be necessary under animal disease law to take safety measures which, in a comparable way to safety measures of protection level 2, minimise the escape of prokaryotes into the external environment or other working areas.
- t3 Because of the vertebrate pathogenicity it may be necessary under animal disease law to take safety measures which, in a comparable way to safety measures of protection level 3, prevent the escape of prokaryotes into the external environment or other working areas.
- Toxin production: prokaryotes which are capable of forming exotoxins. The tag "T" cannot claim to be exhaustive, however, i.e. exotoxin-forming strains may also arise in types of prokaryote without this tag. The tag "T" was taken over from Annex III of the Directive 2000/54/EC.

- TA Types for which strains are known which have been handled safely over many years in technical applications. These proven strains can therefore be assigned to the risk group 1 according to the classification criteria. The tag "TA" cannot claim to be exhaustive, however. In species which do not bear this tag it is therefore also possible for strains with the features of "TA" to arise.
- V Effective vaccine available. The tag "V" has been taken over from Annex III of Directive 2000/54/EC.
- Z The bacteria given the identifying tag "Z" in the present TRBA encompass the zoonotic pathogens named in Directive 2003/99/EC [4] and other bacteria which fall under B.4 Annex I of Directive 2003/99/EC but are not specifically named there. These identifying tags come from the BG information document "Safe biotechnology Classification of biological agents: prokaryotes (bacteria and archaea)" of the Berufsgenossenschaft in the Chemical Industry [2].

<u>Zoonotic pathogens</u> are all viruses, bacteria, fungi, parasites or other biological units which can cause zoonoses.

<u>Zoonoses</u> are all diseases and/or all infections which can be transmitted by natural routes directly or indirectly between animals and humans.

3.4 List of prokaryotes (bacteria and archaea)

Genera		Risk g	roup		N T .
Species	1	2	3	4	Notes
ADJOHNODIJA					
ABIOTROPHIA					
Abiotrophia adiacens → Granulicatella adiacens					
Abiotrophia balaenopterae → Granulicatella balaenopterae		2			
Abiotrophia defectiva (Streptococcus defectivus)		2			
Abiotrophia elegans → Granulicatella elegans					
ACARICOMES					
Acaricomes phytoseiuli	1				n2
ACETANAEROBACTERIUM					
Acetanaerobacterium elongatum	1				
ACETITOMACULUM					
Acetitomaculum ruminis	1				
Treedionacularii Turiinii	•				
ACETIVIBRIO					
Acetivibrio cellulolyticus	1				
Acetivibrio cellulosolvens – synonym: Acetivibrio cellulolyticus					
Acetivibrio ethanolgignens		2			t
Acetivibrio multivorans	1				
ACETOANAEROBIUM					
Acetoanaerobium noterae	1				
ACETOBACTER					
Acetobacter aceti subsp. aceti	1				
Acetobacter aceti subsp. liquefaciens → Gluconacetobacter liquefaciens	-				
Acetobacter aceti subsp. orleanensis → Acetobacter orleanensis					
Acetobacter aceti subsp. vylinus					
→ Gluconacetobacter xylinus subsp. xylinus					
Acetobacter cerevisiae	1				
Acetobacter cibinongensis	1				
Acetobacter diazotrophicus → Gluconacetobacter diazotrophicus					
Acetobacter estunensis (Acetobacter pasteurianus subsp. estunensis)	1				
Acetobacter europaeus → Gluconacetobacter europaeus					
Acetobacter ghanensis	1				
Acetobacter hansenii → Gluconacetobacter hansenii					
Acetobacter indonesiensis	1				
Acetobacter intermedius → Gluconacetobacter intermedius					
Acetobacter liquefaciens → Gluconacetobacter liquefaciens					
Acetobacter lovaniensis (Acetobacter pasteurianus subsp. lovaniensis)	1				
Acetobacter malorum	1				
Acetobacter methanolicus → Acidomonas methanolica					
Acetobacter nitrogenifigens	1				
Acetobacter oboediens → Gluconacetobacter oboediens					
Acetobacter oeni	1				
Acetobacter orientalis	1				
Acetobacter orleanensis (Acetobacter aceti subsp. orleanensis)	1				
Acetobacter pasteurianus subsp. ascendens	1				

Genera		Risk group		7 6. T
Species	1	2 3	4	Notes
Acetobacter pasteurianus subsp. estunensis → Acetobacter estunensis				
Acetobacter pasteurianus subsp. lovaniensis → Acetobacter lovaniensis				
Acetobacter pasteurianus subsp. paradoxus	1			
Acetobacter pasteurianus subsp. pasteurianus	1			
Acetobacter peroxydans	1			
Acetobacter pomorum	1			
Acetobacter senegalensis	1			
Acetobacter syzygii	1			
Acetobacter tropicalis	1			
Acetobacter xylinus subsp. sucrofermentans				
→ Gluconacetobacter xylinus subsp. sucrofermentans				
Acetobacter xylinus subsp. xylinus				
→ Gluconacetobacter xylinus subsp. xylinus				
ACETOBACTERIUM				
Acetobacterium bakii	1			
Acetobacterium carbinolicum	1			
Acetobacterium fimetarium	1			
Acetobacterium malicum	1			
Acetobacterium paludosum	1			
Acetobacterium tundrae	1			
Acetobacterium wieringae	1			
Acetobacterium woodii	1			
ACETOFILAMENTUM				
Acetofilamentum rigidum	1			
ACETOGENIUM → THERMOANAEROBACTER				
Acetogenium kivui → Thermoanaerobacter kivui				
ACETOHALOBIUM				
Acetohalobium arabaticum	1			
Acetonalobium arabaticum	1			
ACETOMICROBIUM				
Acetomicrobium faecale	1			
Acetomicrobium flavidum	1			
ACETONEMA				
Acetonema longum	1			
ACETOTHERMUS				
Acetothermus paucivorans	1			
ACHOLEPLASMA				
Acholeplasma axanthum		2		t
Acholeplasma brassicae	1			
Acholeplasma cavigenitalium	1			
Acholeplasma entomophilum → Mesoplasma entomophilum				
Acholeplasma equifetale	1			
Acholeplasma florum → Mesoplasma florum				
Acholeplasma granularum		2		t
Acholeplasma hippikon		2		t
1 11				

Genera		Risk	group		
Species	1	2	3	4	Notes
Acholeplasma laidlawii		2			t
Acholeplasma modicum		2			t
Acholeplasma morum		2			t
Acholeplasma multilocale	1				
Acholeplasma oculi		2			t
Acholeplasma palmae	1				
Acholeplasma parvum	1				
Acholeplasma pleciae (Mesoplasma pleciae)	1				
Acholeplasma seiffertii → Mesoplasma seiffertii					
Acholeplasma vituli	1				
ACHROMATHIM					
ACHROMATIUM Achromatium oxaliferum	1				
Actionatum oxanerum	1				
ACHROMOBACTER					
Achromobacter denitrificans					
(Achromobacter xylosoxidans subsp. denitrificans, Alcaligenes					
denitrificans, Alcaligenes denitrificans subsp. denitrificans,		2			
Alcaligenes xylosoxidans subsp. denitrificans) Achromobacter insolitus	1	2			+
Achromobacter piechaudii (Alcaligenes piechaudii)	1	2			Ŧ
	1	2			+
Achromobacter ruhlandii (Alcaligenes ruhlandii) Achromobacter spanius	1				+
Achromobacter xylosoxidans	1				'
(Achromobacter xylosoxidans subsp. xylosoxidans, Alcaligenes denitrificans subsp. xylosoxidans, Alcaligenes xylosoxidans subsp.					
xylosoxidans, Alcaligenes xylosoxidans)		2			
Achromobacter xylosoxidans subsp. denitrificans (Alcaligenes denitrificans subsp. denitrificans, Alcaligenes					
xylosoxidans subsp. denitrificans, Alcaligenes denitrificans) → Achromobacter denitrificans					
Achromobacter xylosoxidans subsp. xylosoxidans					
(Achromobacter xylosoxidans, Alcaligenes denitrificans subsp.					
xylosoxidans, Alcaligenes xylosoxidans subsp. xylosoxidans,					
Alcaligenes xylosoxidans) → Achromobacter xylosoxidans					
ACIDAMINOBACTER					
Acidaminobacter hydrogenoformans	1				
ACIDAMINOCOCCUS					
Acidaminococcus fermentans		2			ht
Acidaminococcus intestini		2			
ACIDIANUS					
	1				
Acidianus ambivalens (Desulfurolobus ambivalens)	1				
Acidianus brierleyi (Sulfolobus brierleyi)	1				
Acidianus infernus Acidianus sulfidivorans	1 1				
ACIDICALDUS	4				
Acidicaldus organivorus	1				
ACIDILOBUS					
Acidilobus aceticus	1				

Genera		Risk g	roun		
Species	1	2	3	4	Notes
-t				•	
ACIDIMICROBIUM					
Acidimicrobium ferrooxidans	1				
A CADADAM MAN					
ACIDIPHILIUM	4				
Acidiphilium acidophilum (Thiobacillus acidophilus)	1				
Acidiphilium aminilyticum → Acidocella aminolytica	4				
Acidiphilium angustum	1				
Acidiphilium cryptum	1				
Acidiphilium facile → Acidocella facilis	4				
Acidiphilium multivorum	1				
Acidiphilium organovorum	1				
Acidiphilium rubrum	1				
ACIDISPHAERA					
Acidisphaera rubrifaciens	1				
A CYD MINATOR A CYLY A LYG					
ACIDITHIOBACILLUS	4				
Acidithiobacillus albertensis (Thiobacillus albertis)	1				
Acidithiobacillus caldus (Thiobacillus caldus)	1				
Acidithiobacillus ferrooxidans (Thiobacillus ferrooxidans)	1				
Acidithiobacillus thiooxidans (Thiobacillus thiooxidans)	1				
ACIDOBACTERIUM					
Acidobacterium capsulatum	1				
ACIDOCELLA					
Acidocella aminolytica (Acidiphilium aminilyticum)	1				
Acidocella facilis (Acidiphilium facile)	1				
redoccia racins (redipinium racie)	1				
ACIDOMONAS					
Acidomonas methanolica (Acetobacter methanolicus)	1				
ACIDOTHERMUS					
Acidothermus cellulolyticus	1				
,					
ACIDOVORAX					
Acidovorax anthurii	1				p
Acidovorax avenae subsp. avenae (Pseudomonas avenae)	1				p
Acidovorax avenae subsp. cattleyae (Pseudomonas cattleyae)	1				p
Acidovorax avenae subsp. citrulli	4				
(Pseudomonas pseudoalcaligenes subsp. citrulli)	1				p
Acidovorax caeni	1				
Acidovorax defluvii	1				
Acidovorax delafieldii (Pseudomonas delafieldii)	1				+
Acidovorax facilis (Pseudomonas facilis)	1				
Acidovorax konjaci (Pseudomonas pseudoalcaligenes subsp. konjaci)	1				p
Acidovorax temperans	1				+
Acidovorax valerianellae	1				p
ACINETOBACTER					
Acinetobacter baumannii		2			
Acinetobacter baylyi	1				
, , , , , , , , , , , , , , , , , , ,					

Genera		Risk group	,	Notes
Species	1	2 3	4	Notes
Acinetobacter bouvetii	1			
Acinetobacter calcoaceticus		2		
Acinetobacter gerneri	1			
Acinetobacter grimontii – synonym: Acinetobacter junii				
Acinetobacter haemolyticus		2		
Acinetobacter johnsonii		2		
Acinetobacter junii		2		
Acinetobacter lwoffii		2		TA
Acinetobacter parvus		2		
Acinetobacter radioresistens	1			
Acinetobacter schindleri		2		
Acinetobacter tandoii	1			
Acinetobacter tjernbergiae	1			
Acinetobacter towneri	1			
Acinetobacter ursingii		2		
ACROCARPOSPORA				
Acrocarpospora corrugata (Streptosporangium corrugatum)	1			
Acrocarpospora macrocephala	1			
Acrocarpospora pleiomorpha	1			
ACTIBACTER				
Actibacter sediminis	1			
ACTINOALLOTEICHUS				
Actinoalloteichus cyanogriseus	1			
Actinoalloteichus hymeniacidonis	1			
Actinoalloteichus spitiensis	1			
ACTINOBACILLUS				
Actinobacillus actinomycetemcomitans				
→ Aggregatibacter actinomycetemcomitans				
Actinobacillus arthritidis		2		t
Actinobacillus capsulatus		2		t
Actinobacillus delphinicola		2		t
Actinobacillus equuli subsp. equuli		2		ht
Actinobacillus equuli subsp. haemolyticus		2		t
Actinobacillus hominis		2		·
Actinobacillus indolicus	1	_		
Actinobacillus lignieresii	1	2		ht
Actinobacillus minor	1	_		110
Actinobacillus muris	1			
Actinobacillus pleuropneumoniae (Haemophilus pleuropneumoniae)	1	2		t
Actinobacillus porcinus	1	2		ι
Actinobacillus rossii	1	2		t
Actinobacillus scotiae		2		t
Actinobacillus seminis		2		t
Actinobacillus succinogenes	1	<u> </u>		t
Actinobacillus suis	1	2		ht
Actinobacillus ureae (Pasteurella ureae)		2 2		111
remissaemus ureae (r asteurena ureae)		4		
ACTINOBACULUM				
Actinobaculum massiliae		2		

Genera		Risk	group		NT /
Species	1	2	3	4	Notes
Actinobaculum schaalii		2			
Actinobaculum suis (Eubacterium suis, Actinomyces suis)		2			t
Actinobaculum urinale		2			
ACTINOBISPORA – synonym: PSEUDONOCARDIA					
Actinobispora alaniniphila – synonym: Pseudonocardia alaniniphila					
Actinobispora aurantiaca – synonym: Pseudonocardia aurantiaca					
Actinobispora xinjiangensis – synonym: Pseudonocardia xinjiangensis					

Actinomadura flava → Lechevalieria flava Actinomadura flexuosa → Nonomuraea flexuosa

Actinobispora xinjiangensis – synonym: Pseudonocardia xinjiangensis	
Actinobispora yunnanensis – synonym: Pseudonocardia yunnanensis	
ACTINOCATENISPORA	
Actinocatenispora sera	1
Actinocatenispora thailandica	1
ACTINOCORALLIA	
Actinocorallia aurantiaca (Actinomadura aurantiaca)	1
Actinocorallia aurea	1
Actinocorallia cavernae	1
Actinocorallia glomerata (Actinomadura glomerata)	1
Actinocorallia herbida	1
Actinocorallia libanotica (Actinomadura libanotica)	1
Actinocorallia longicatena (Actinomadura longicatena)	1
ACTINOKINEOSPORA	
Actinokineospora diospyrosa	1
Actinokineospora globicatena	1
Actinokineospora inagensis	1
Actinokineospora riparia	1
Actinokineospora terrae	1
ACTINOMADURA	
Actinomadura africana → Nonomuraea africana	
Actinomadura alba	1
Actinomadura atramentaria	1
Actinomadura aurantiaca → Actinocorallia aurantiaca	
Actinomadura bangladeshensis	1
Actinomadura carminata	
→ Nonomuraea roseoviolacea subsp. carminata	
Actinomadura catellatispora	1
Actinomadura chokoriensis	1
Actinomadura citrea	1
Actinomadura coerulea	1
Actinomadura coeruleofusca → Saccharothrix coeruleofusca	
Actinomadura coeruleoviolacea → Goodfellowiella coeruleoviolacea	
Actinomadura cremea subsp. cremea	1
Actinomadura cremea subsp. rifamycini	1
Actinomadura echinospora (Microbispora echinospora)	1
Actinomadura fastidiosa → Nonomuraea fastidiosa	
Actinomadura ferruginea → Nonomuraea ferruginea	
Actinomadura fibrosa	1

Genera		Risk group		
Species	1	2 3	4	Notes
Actinomadura formosensis (Thermomonospora formosensis)	1		-	
Actinomadura fulvescens	1			
Actinomadura glauciflava	1			
Actinomadura glomerata → Actinocorallia glomerata				
Actinomadura hallensis	1			
Actinomadura helvata → Nonomuraea helvata				
Actinomadura hibisca	1			
Actinomadura kijaniata	1			
Actinomadura latina		2		
Actinomadura libanotica → Actinocorallia libanotica				
Actinomadura livida	1			
Actinomadura longicatena → Actinocorallia longicatena	_			
Actinomadura longispora → Saccharothrix longispora				
Actinomadura luteofluorescens	1			
Actinomadura macra	1			
Actinomadura madurae	1	2		ht
Actinomadura malachitica – synonym: Actinomadura viridis		-		110
Actinomadura mexicana	1			
Actinomadura meyerii	1			
Actinomadura namibiensis	1			
Actinomadura napierensis	1			
Actinomadura nitritigenes	1			
Actinomadura oligospora	1			
Actinomadura pelletieri		2		
Actinomadura polychroma → Nonomuraea polychroma				
Actinomadura pusilla → Nonomuraea pusilla				
Actinomadura recticatena → Nonomuraea recticatena				
Actinomadura roseola → Nonomuraea roseola				
Actinomadura roseoviolacea				
→ Nonomuraea roseoviolacea subsp. roseoviolacea				
Actinomadura rubra → Nonomuraea rubra				
Actinomadura rubra – voliolindraca rubra Actinomadura rubrobrunea (Excellospora rubrobrunea)	1			
Actinomadura rudentiformis	1			
Actinomadura rugatobispora (Microbispora viridis)	1			
Actinomadura salmonea → Nonomuraea salmonea	-			
Actinomadura spadix	1			
Actinomadura spiralis → Nonomuraea spiralis	1			
Actinomadura turkmeniaca → Nonomuraea turkmeniaca				
Actinomadura umbrina	1			
Actinomadura verrucosospora	1			
Actinomadura vinacea	1			
Actinomadura viridilutea (Excellospora viridilutea)	1			
Actinomadura viridis (Microtetraspora viridis)	1			
Actinomadura yumaensis	1			
ACTINOMYCES				
Actinomyces bernardiae → Arcanobacterium bernardiae				
Actinomyces bovis		2		t
Actinomyces bowlenii		2		t
Actinomyces canis		2		t
Actinomyces cardiffensis		2		ι
110anoniyees cardinensis		_		

Genera		Risk	group		3 .7 :
Species	1	2	3	4	Notes
Actinomyces catuli		2		<u> </u>	t
Actinomyces coleocanis	1				
Actinomyces dentalis		2			
Actinomyces denticolens	1				
Actinomyces europaeus		2			
Actinomyces funkei		2			
Actinomyces georgiae	1				
Actinomyces gerencseriae (Actinomyces israelii Serovar 2)		2			
Actinomyces graevenitzii		2			
Actinomyces hongkongensis		2			
Actinomyces hordeovulneris		2			t
Actinomyces howellii	1				
Actinomyces humiferus → Cellulomonas humilata					
Actinomyces hyovaginalis		2			t
Actinomyces israelii		2			·
Actinomyces marimammalium		2			t
Actinomyces meyeri ("Actinobacterium" meyeri)		2			·
Actinomyces naeslundii		2			ht
Actinomyces nasicola	1	2			+
Actinomyces neuii subsp. anitratus	1	2			'
Actinomyces neuii subsp. neuii		2			
Actinomyces odontolyticus		2			ht
Actinomyces oricola Actinomyces oricola	1	2			+
	1				'
Actinomyces pyogenes → Arcanobacterium pyogenes		2			
Actinomyces radicidentis		2			
Actinomyces radingae	1	2			
Actinomyces ruminicola	1				
Actinomyces slackii	1	2			_
Actinomyces suimastitidis		2			t
Actinomyces suis → Actinobaculum suis		2			
Actinomyces turicensis	4	2			
Actinomyces urogenitalis	1	2			+
Actinomyces vaccimaxillae		2			t
Actinomyces viscosus		2			ht
ACTINOMYCETOSPORA					
Actinomycetospora chiangmaiensis	1				
Actinomycetospora chianginalensis	1				
ACTINOPLANES					
Actinoplanes armeniacus → Streptomyces armeniacus					
Actinoplanes auranticolor (Amorphosporangium auranticolor)	1				
Actinoplanes brasiliensis	1				
Actinoplanes caeruleus → Couchioplanes caeruleus subsp. caeruleus					
Actinoplanes campanulatus (Ampullariella campanulata)	1				
Actinoplanes capillaceus	1				
Actinoplanes capitaceus Actinoplanes consettensis	1				
Actinoplanes couchii	1				
Actinoplanes cyaneus	1				
Actinoplanes deccanensis	1				
Actinoplanes deventensis	1				
Actinoplanes digitatis (Ampullariella digitata)	1				
Actinoplanes durhamensis	1				
reunopianes dumamensis	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Actinoplanes ferrugineus	1				
Actinoplanes friuliensis	1				
Actinoplanes globisporus (Amorphosporangium globisporum)	1				
Actinoplanes humidus	1				
Actinoplanes italicus	1				
Actinoplanes liguriensis	1				
Actinoplanes lobatus (Ampullariella lobata)	1				
Actinoplanes minutisporangius					
→ Cryptosporangium minutisporangium					
Actinoplanes missouriensis	1				
Actinoplanes palleronii	1				
Actinoplanes philippinensis	1				
Actinoplanes rectilineatus	1				
Actinoplanes regularis (Ampullariella regularis)	1				
Actinoplanes teichomyceticus	1				
Actinoplanes utahensis	1				
ACTINOPOLYMORPHA					
Actinopolymorpha singaporensis	1				
ACTINOPOLYSPORA					
Actinopolyspora halophila	1				
Actinopolyspora iraqiensis	1				
Actinopolyspora mortivallis	1				
ACTINOPYCNIDIUM → STREPTOMYCES					
Actinopycnidium caeruleum – synonym: Streptomyces humiferus					
ACTINOSPICA					
Actinospica acidiphila	1				
Actinospica robiniae	1				
ACTINOSPORANGIUM → STREPTOMYCES					
Actinosporangium violaceum – synonym: Streptomyces paradoxus					
Actinosporangium vitaminophilum → Streptomyces vitaminophilus					
ACTINOSYNNEMA					
Actinosynnema mirum	1				
Actinosynnema pretiosum subsp. auranticum	1				
Actinosynnema pretiosum subsp. pretiosum	1				
ACTINOTALEA					
Actinotalea fermentans (Cellulomonas fermentans)	1				
ADHAERIBACTER					
Adhaeribacter aquaticus	1				
ADLERCREUTZIA					
Adlercreutzia equolifaciens	1				
ADVENELLA					
Advenella incenata		2			

Genera		Risk group		Notes
Species	1	2 3	4	Notes
AEGYPTIANELLA				
Aegyptianella pullorum		2		t
AEQUORIVITA				
Aequorivita antarctica	1			
Aequorivita crocea	1			
Aequorivita lipolytica	1			
Aequorivita sublithincola	1			
AERISCARDOVIA				
Aeriscardovia aeriphila	1			
AEROCOCCUS				
Aerococcus christensenii	1			+
Aerococcus sanguinicola	1			+
Aerococcus suis		2		t
Aerococcus urinae		2		
Aerococcus urinaeequi (Pediococcus urinaeequi)	1			
Aerococcus urinaehominis	1			+
Aerococcus viridans		2		TA, ht
AEROMICROBIUM				
Aeromicrobium alkaliterrae	1			
Aeromicrobium erythreum	1			
Aeromicrobium fastidiosum (Nocardioides fastidiosus)	1			
Aeromicrobium marinum	1			
Aeromicrobium panaciterrae	1			
Aeromicrobium ponti	1			
Aeromicrobium tamlense	1			
AEROMONAS				
Aeromonas allosaccharophila		2		
Aeromonas aquariorum	1			
Aeromonas bestiarum	1			ht+
Aeromonas bivalvium	1			
Aeromonas caviae		2		ht
Aeromonas culicicola	1			
Aeromonas encheleia	1			ht+
Aeromonas enteropelogenes (umfasst Aeromonas trota)		2		
Aeromonas eucrenophila	1			ht+
Aeromonas hydrophila subsp. anaerogenes		2		
Aeromonas hydrophila subsp. dhakensis		2		
Aeromonas hydrophila subsp. hydrophila		2		ht
Aeromonas hydrophila subsp. proteolytica → Vibrio proteolyticus				
Aeromonas hydrophila subsp. ranae		2		t
Aeromonas ichthiosmia	1			+
Aeromonas jandaei	-	2		ht
Aeromonas media	1	-		
Aeromonas molluscorum	1			
Aeromonas popoffii	1			
Aeromonas punctata subsp. caviae	-	2		ht
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-
Aeromonas punctata subsp. punctata		2		

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Aeromonas salmonicida subsp. masoucida	1 ^G				t2
Aeromonas salmonicida subsp. pectinolytica	1				
Aeromonas salmonicida subsp. salmonicida	1 ^G				t2
Aeromonas salmonicida subsp. smithia	1 ^G				t2
Aeromonas schubertii		2			
Aeromonas sharmana	1				
Aeromonas simiae	1				
Aeromonas sobria		2			ht
Aeromonas trota – synonym: Aeromonas enteropelogenes					
Aeromonas veronii		2			ht
AEROPYRUM					
Aeropyrum camini	1				
Aeropyrum pernix	1				
AESTUARIIBACTER					
Aestuariibacter halophilus	1				
Aestuariibacter salexigens	1				
AESTUARIIMICROBIUM					
Aestuariimicrobium kwangyangense	1				
AFIPIA					
Afipia birgiae	1				
Afipia broomeae		2			
Afipia clevelandensis		2			
Afipia felis		2			ht
Afipia massiliensis	1				
AGARIVORANS					
Agarivorans albus	1				
AGGREGATIBACTER					
Aggregatibacter actinomycetemcomitans					
(Actinobacillus actinomycetemcomitans,		_			
Haemophilus actinomycetemcomitans)		2			ht
Aggregatibacter aphrophilus (Haemophilus aphrophilus)		2			
Aggregatibacter segnis (Haemophilus segnis)		2			
AGITOCOCCUS					
Agitococcus lubricus	1				
AGREIA					
Agreia bicolorata	1				
Agreia pratensis (Subtercola pratensis)	1				
AGROBACTERIUM					

Agrobacterium atlanticum → Ruegeria atlantica

Agrobacterium ferrugineum \rightarrow Pseudorhodobacter ferrugineus

Agrobacterium gelatinovorum → Thalassobius gelatinovorus

Agrobacterium larrymoorei → Rhizobium larrymoorei

 $^{\rm G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk		Notes	
Species	1	2	3	4	inotes
Agrobacterium meteori – synonym: Ruegeria atlantica					
Agrobacterium radiobacter → Rhizobium radiobacter					
Agrobacterium rhizogenes → Rhizobium rhizogenes					
Agrobacterium rubi → Rhizobium rubi					
Agrobacterium stellulatum → Stappia stellulata					
Agrobacterium tumefaciens → Rhizobium radiobacter					
Agrobacterium vitis → Rhizobium vitis					
AGROCOCCUS					
Agrococcus baldri	1				
Agrococcus casei	1				
Agrococcus citreus	1				
Agrococcus jenensis	1				
Agrococcus lahaulensis	1				
0					
AGROMONAS					
Agromonas oligotrophica	1				
AGROMYCES					
Agromyces albus	1				
Agromyces allii	1				
Agromyces aurantiacus	1				
Agromyces bracchium	1				
Agromyces cerinus subsp. cerinus	1				
Agromyces cerinus subsp. nitratus	1				
Agromyces fucosus (Agromyces fucosus subsp. fucosus)	1				
Agromyces fucosus subsp. fucosus → Agromyces fucosus					
Agromyces fucosus subsp. hippuratus → Agromyces hippuratus					
Agromyces hippuratus (Agromyces fucosus subsp. hippuratus)	1				
Agromyces humatus	1				
Agromyces italicus	1				
Agromyces lapidis	1				
Agromyces luteolus	1				
Agromyces mediolanus ("Corynebacterium mediolanum")	1				
Agromyces neolithicus	1				
Agromyces ramosus	1				
Agromyces rhizospherae	1				
Agromyces salentinus	1				
Agromyces subbeticus	1				
Agromyces terreus	1				
Agromyces ulmi	1				
AHRENSIA					
Ahrensia kielensis	1				
AKKERMANSIA					
Akkermansia muciniphila	1				
ALBIBACTER					
Albibacter methylovorans	1				

ALBIDOVULUM

Genera		Risk	group		NIatas
Species	1	2	3	4	Notes
Albidovulum inexpectatum	1				
ALBIMONAS					
Albimonas donghaensis	1				
ALCALIGENES					
Alcaligenes aestus → Halomonas aquamarina					
Alcaligenes aquamarinus → Halomonas aquamarina					
Alcaligenes aquatilis	1				
Alcaligenes cupidus → Halomonas cupida					
Alcaligenes defragrans → Castellaniella defragrans					
Alcaligenes denitrificans → Achromobacter denitrificans Alcaligenes denitrificans subsp. denitrificans					
→ Achromobacter denitrificans Alcaligenes denitrificans subsp. xylosoxidans					
→ Achromobacter xylosoxidans Alcaligenes eutrophus → Wautersia eutropha – synonym:					
Cupriavidus necator		2			1 .
Alcaligenes faecalis subsp. faecalis		2			ht
Alcaligenes faecalis subsp. homari – synonym: Deleya aquamarina					
→ Halomonas aquamarina Alcaligenes faecalis subsp. parafaecalis	1				
Alcaligenes faecalis subsp. phenolicus	1				
Alcaligenes latus → Azohydromonas lata	•				
Alcaligenes pacificus → Halomonas pacifica					
Alcaligenes paradoxus → Variovorax paradoxus					
Alcaligenes piechaudii → Achromobacter piechaudii					
Alcaligenes ruhlandii → Achromobacter ruhlandii					
Alcaligenes venustus → Halomonas venusta					
Alcaligenes xylosoxidans → Achromobacter xylosoxidans Alcaligenes xylosoxidans subsp. denitrificans → Achromobacter denitrificans					
Alcaligenes xylosoxidans subsp. xylosoxidans					
→ Achromobacter xylosoxidans					
ALCANIVORAX					
Alcanivorax balearicus	1				
Alcanivorax borkumensis	1				
Alcanivorax dieselolei	1				
Alcanivorax jadensis (Fundibacter jadensis)	1				
Alcanivorax venustensis	1				
ALGIBACTER					
Algibacter lectus	1				
Algibacter mikhailovii	1				
ALGICOLA					
Algicola bacteriolytica (Pseudoalteromonas bacteriolytica)	1				p
Algicola sagamiensis (Pseudoalteromonas sagamiensis)	1				
ALGORIPHAGUS					
Algoriphagus alkaliphilus (Chimaereicella alkaliphila)	1				

Genera		Risk gro	up		NT.
Species	1	2	3	4	Notes
Algoriphagus antarcticus	1				
Algoriphagus aquimarinus	1				
Algoriphagus boritolerans (Chimaereicella boritolerans)	1				
Algoriphagus chordae	1				
Algoriphagus halophilus (Hongiella halophila)	1				
Algoriphagus hitonicola	1				
Algoriphagus locisalis	1				
Algoriphagus mannitolivorans (Hongiella mannitolivorans)	1				
Algoriphagus marincola (Hongiella marincola)	1				
Algoriphagus ornithinivorans (Hongiella ornithinivorans)	1				
Algoriphagus ratkowskyi	1				
Algoriphagus terrigena	1				
Algoriphagus vanfongensis	1				
Algoriphagus winogradskyi	1				
· · · · · · · · · · · · · · · · · · ·					
Algoriphagus yeomjeoni	1				
ALICYCLIPHILUS					
Alicycliphilus denitrificans	1				
They charmed definitine and	1				
ALICYCLOBACILLUS					
Alicyclobacillus acidiphilus	1				
Alicyclobacillus acidocaldarius subsp. acidocaldarius					
(Bacillus acidocaldarius)	1				
Alicyclobacillus acidocaldarius subsp. rittmannii	1				
Alicyclobacillus acidoterrestris (Bacillus acidoterrestris)	1				
Alicyclobacillus contaminans	1				
Alicyclobacillus cycloheptanicus (Bacillus cycloheptanicus)	1				
Alicyclobacillus disulfidooxidans (Sulfobacillus disulfidooxidans)	1				
Alicyclobacillus fastidiosus	1				
Alicyclobacillus herbarius	1				
Alicyclobacillus hesperidum	1				
Alicyclobacillus kakegawensis	1				
Alicyclobacillus macrosporangiidus	1				
Alicyclobacillus pohliae	1				
Alicyclobacillus pomorum	1				
Alicyclobacillus sacchari	1				
Alicyclobacillus sendaiensis	1				
Alicyclobacillus shizuokensis	1				
Alicyclobacillus tolerans	1				
Alicyclobacillus vulcanalis	1				
Theyelobachius vulcarians	1				
ALIIVIBRIO					
Aliivibrio fischeri (Vibrio fischeri, Photobacterium fischeri)	1				
Aliivibrio logei (Vibrio logei)	1				n
Aliivibrio salmonicida (Vibrio salmonicida)	1				t2
Alivibrio wodanis (Vibrio wodanis)	1				t2
ALISHEWANELLA					
Alishewanella fetalis	1				+
rmone wancha retano	1				1
ALISTIPES					
Alistipes finegoldii	1				+
Alistipes onderdonkii	1				+
1 moupes officeration	1				

Genera		Risk g	Offilm		
Species	1	2	3	4	Notes
Alistipes putredinis (Bacteroides putredinis)		2		•	ht
Alistipes shahii	1				+
ALKALIBACILLUS					
Alkalibacillus filiformis	1				
Alkalibacillus haloalkaliphilus (Bacillus haloalkaliphilus)	1				
Alkalibacillus salilacus	1				
Alkalibacillus silvisoli	1				
ALKALIBACTER					
Alkalibacter saccharofermentans	1				
ALKALIBACTERIUM					
Alkalibacterium iburiense	1				
Alkalibacterium indicireducens	1				
Alkalibacterium olivapovliticus	1				
Alkalibacterium psychrotolerans	1				
ALKALIFLEXUS					
Alkaliflexus imshenetskii	1				
	-				
ALKALILIMNICOLA					
Alkalilimnicola ehrlichii	1				
Alkalilimnicola halodurans	1				
AL WALLMONIAC					
ALKALIMONAS	1				
Alkalimonas amylolytica Alkalimonas collagenimarina	1				
Alkalimonas delamerensis	1 1				
Alkalimonas detanierensis	1				
ALKALIPHILUS					
Alkaliphilus crotonatoxidans	1				
Alkaliphilus transvaalensis	1				
ALKALISPIRILLUM					
Alkalispirillum mobile	1				
ALKANINDIGES					
Alkanindiges illinoisensis	1				
ALLISONELLA					
Allisonella histaminiformans	1				t+
ALLODACIILIM					
ALLOBACULUM Allobaculum stercoricanis	1				
Allobacululii sterconcailis	1				
ALLOCHROMATIUM					
Allochromatium minutissimum (Chromatium minutissimum)	1				
Allochromatium renukae	1				
Allochromatium vinosum (Chromatium vinosum)	1				
Allochromatium warmingii (Chromatium warmingii)	1				
ALLOFUSTIS					
Allofustis seminis	1				

Genera		Risk	group		Notes
Species	1	2	3	4	inotes
ALLOIOCOCCUS					
Alloiococcus otitis		2			
ALLOKUTZNERIA					
Allokutzneria albata (Kibdelosporangium albatum)	1				
ALLOMONAS					
Allomonas enterica	1				+
ALLORHIZOBIUM → RHIZOBIUM					
Allorhizobium undicola → Rhizobium undicola					
ALLOSCARDOVIA		_			
Alloscardovia omnicolens		2			
ALTERERYTRHOBACTER					
Altererythrobacter epoxidivorans	1				
Altererythrobacter indicus	1				
Altererythrobacter luteolus (Erythrobacter luteolus)	1				
ALTEROCOCCUS					
Alterococcus agarolyticus	1				
ALTEROMONAS					
Alteromonas addita	1				
Alteromonas atlantica → Pseudoalteromonas atlantica					
Alteromonas aurantia → Pseudoalteromonas aurantia					
Alteromonas carrageenovora → Pseudoalteromonas carrageenovora					
Alteromonas citrea → Pseudoalteromonas citrea					
Alteromonas colwelliana → Shewanella colwelliana					
Alteromonas communis → Marinomonas communis = Oceanospirillum commune					
Alteromonas denitrificans → Pseudoalteromonas denitrificans					
Alteromonas distincta → Pseudoalteromonas distincta					
Alteromonas elyakovii → Pseudoalteromonas elyakovii					
Alteromonas espejiana → Pseudoalteromonas espejiana					
Alteromonas fuliginea	1				
Alteromonas haloplanktis					
→ Pseudoalteromonas haloplanktis subsp. haloplanktis					
Alteromonas hanedai → Shewanella hanedai					
Alteromonas hispanica	1				
Alteromonas litorea	1				
Alteromonas luteoviolacea → Pseudoalteromonas luteoviolacea	1				
Alteromonas marina Alteromonas marina	1				
Alteromonas nigrifaciens → Pseudoalteromonas nigrifaciens	1				
Alteromonas putrefaciens → Shewanella putrefaciens Alteromonas rubra → Pseudoalteromonas rubra					
Alteromonas rubra → Pseudoalteromonas rubra Alteromonas simiduii	1				

Genera		Risk	group		Notes
Species	1	2	3	4	inotes
Alteromonas tagae	1				
Alteromonas tetraodonis → Pseudoalteromonas tetraodonis					
Alteromonas undina → Pseudoalteromonas undina					
Alteromonas vaga → Marinomonas vaga = Oceanospirillum vagum					
ALYSIELLA					
Alysiella crassa (Simonsiella crassa)	1				
Alysiella filiformis	1				
AMARICOCCUS					
Amaricoccus kaplicensis	1				
Amaricoccus macauensis	1				
Amaricoccus tamworthensis	1				
Amaricoccus veronensis	1				
AMINIPHILUS					
Aminiphilus circumscriptus	1				
AMINOBACTER					
Aminobacter aganoensis	1				
Aminobacter aminovorans (Pseudomonas aminovorans)	1				
Aminobacter ciceronei	1				
Aminobacter lissarensis	1				
Aminobacter niigataensis	1				
AMINOBACTERIUM					
Aminobacterium colombiense	1				
Aminobacterium mobile	1				
AMINOMONAS					
Aminomonas paucivorans	1				
AMMONIFEX					
Ammonifex degensii	1				
AMMONIPHILUS					
Ammoniphilus oxalaticus	1				
Ammoniphilus oxalivorans	1				
AMOEBOBACTER					
Amoebobacter pedioformis → Thiolamprovum pedioforme					
Amoebobacter pendens → Thiocapsa pendens					
Amoebobacter purpureus → Lamprocystis purpurea					
Amoebobacter roseus → Thiocapsa rosea					
AMORPHOSPORANGIUM → ACTINOPLANES					
Amorphosporangium auranticolor → Actinoplanes auranticolor					
Amorphosporangium globisporum → Actinoplanes globisporus					
AMPHIBACILLUS	4				
Amphibacillus fermentum	1				
Amphibacillus sediminis	1				

Genera		Risk group			
Species	1	2	3	4	Note
Amphibacillus tropicus	1				
Amphibacillus xylanus	1				
AMPHRITEA					
Amphritea atlantica	1				
Ampinica adaitica	1				
$AMPULLARIELLA \rightarrow ACTINOPLANES$					
Ampullariella campanulata → Actinoplanes campanulatus					
Ampullariella digitata → Actinoplanes digitatis					
Ampullariella lobata → Actinoplanes lobatus					
Ampullariella regularis → Actinoplanes regularis					
AMYCOLATA → PSEUDONOCARDIA					
Amycolata alni → Pseudonocardia alni					
•					
Amycolata autotrophica → Pseudonocardia autotrophica					
Amycolata hydrocarbonoxydans → Pseudonocardia hydrocarbonoxydans					
·					
Amycolata saturnea → Pseudonocardia saturnea					
AMYCOLATOPSIS					
Amycolatopsis alba	1				
Amycolatopsis albidoflavus	1				
Amycolatopsis australiensis	1				
Amycolatopsis azurea (Pseudonocardia azurea)	1				
Amycolatopsis balhimycina	1				
Amycolatopsis benzoatilytica	1				+
Amycolatopsis coloradensis	1				
Amycolatopsis decaplanina	1				
Amycolatopsis echigonensis	1				
Amycolatopsis eurytherma Amycolatopsis fastidiosa	1				
Amycolatopsis halotolerans Amycolatopsis japonicum	1				
Amycolatopsis japonicum Amycolatopsis jejuensis	1				
Amycolatopsis jejuciisis Amycolatopsis kentuckyensis	1	2			t
Amycolatopsis keratiniphila subsp. keratiniphila	1	2			·
Amycolatopsis keratiniphila subsp. nogabecina	1				
Amycolatopsis lexingtonensis	-	2			t
Amycolatopsis lurida (Amycolatopsis orientalis subsp. lurida)	1	_			
Amycolatopsis mediterranei (Nocardia mediterranei)	1				
Amycolatopsis methanolica	1				
Amycolatopsis minnesotensis	1				
Amycolatopsis nigrescens	1				
Amycolatopsis niigatensis	1				
Amycolatopsis orientalis					
(Amycolatopsis orientalis subsp. orientalis, Nocardia orientalis)	1				+
Amycolatopsis orientalis subsp. lurida → Amycolatopsis lurida					
Amycolatopsis orientalis subsp. orientalis → Amycolatopsis orientalis					
Amycolatopsis palatopharyngis	1				+
Amycolatopsis plumensis	1				
Amycolatopsis pretoriensis		2			t
Amycolatopsis regifaucium	1				

Genera		Risk group		
Species	1	2 3	4	Notes
Amycolatopsis rifamycinica	1		•	
Amycolatopsis rubida	1			
Amycolatopsis rugosa → Prauserella rugosa	-			
Amycolatopsis saalfeldensis	1			
Amycolatopsis sacchari	1			
Amycolatopsis sulphurea	1			
Amycolatopsis taiwanensis	1			
Amycolatopsis thermoflava	1			
Amycolatopsis tolypomycina	1			
Amycolatopsis vancoresmycina	1			
ANAEROARCUS				
Anaeroarcus burkinensis (Anaerovibrio burkinabensis)	1			
Amaeroareus burkinensis (Amaerovibilo burkinabensis)	1			
ANAEROBACTER				
Anaerobacter polyendosporus	1			
ANAEROBACULUM				
Anaerobaculum mobile	1			
Anaerobaculum thermoterrenum	1			
ANAEROBIOSPIRILLUM				
Anaerobiospirillum succiniproducens		2		ht
Anaerobiospirillum thomasii		2		ht
1				
ANAEROBRANCA				
Anaerobranca californiensis	1			
Anaerobranca gottschalkii	1			
Anaerobranca horikoshii	1			
Anaerobranca zavarzinii	1			
ANAEROCOCCUS				
Anaerococcus hydrogenalis (Peptostreptococcus hydrogenalis)	1			+
Anaerococcus lactolyticus (Peptostreptococcus lactolyticus)	1			+
Anaerococcus octavius (Peptostreptococcus octavius)	1			+
Anaerococcus prevotii				
(Peptococcus prevotii, Peptostreptococcus prevotii)		2		
Anaerococcus tetradius (Peptostreptococcus tetradius)	1			+
Anaerococcus vaginalis (Peptostreptococcus vaginalis)		2		
ANAEROFILUM				
Anaerofilum agile	1			
Anaerofilum pentosovorans	1			
ANAEROFUSTIS				
Anaerofustis stercorihominis	1			
ANAEROGLOBUS				
Anaeroglobus geminatus	1			+
ANAEROLINEA				
Anaerolinea thermolimosa	1			
Anaerolinea thermophila	1			
macronica diemopina	1			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
ANAFROMICA					
ANAEROMUSA Anaeromusa acidaminophila	1				
Attactomusa acidaminopinia	1				
ANAEROMYXOBACTER					
Anaeromyxobacter dehalogenans	1				
ANAEROPHAGA					
Anaerophaga thermohalophila	1				
ANAEROPLASMA					
Anaeroplasma abactoclasticum	1				
Anaeroplasma bactoclasticum	1				
Anaeroplasma intermedium	1				
Anaeroplasma varium	1				
ANAERORHABDUS					
Anaerorhabdus furcosa (Bacteroides furcosus)		2			
ANAEROSINUS					
Anaerosinus glycerini (Anaerovibrio glycerini)	1				
ANAEROSPOROBACTER					
Anaerosporobacter mobilis	1				
ANAEROSTIPES					
Anaerostipes caccae	1				
ANAEROTRUNCUS					
Anaerotruncus colihominis	1				
ANAEROVIBRIO					
Anaerovibrio burkinabensis → Anaeroarcus burkinensis					
Anaerovibrio glycerini → Anaerosinus glycerini					
Anaerovibrio lipolyticus	1				
ANAEROVIRGULA					
Anaerovirgula multivorans	1				
	•				
ANAEROVORAX					
Anaerovorax odorimutans	1				
ANAPLASMA					
Anaplasma bovis ("Ehrlichia bovis")		2			t
Anaplasma caudatum		2			t
Anaplasma centrale		2			t
Anaplasma marginale		2			t
Anaplasma ovis		2			t
Anaplasma phagocytophilum (Ehrlichia phagocytophila)		2			ht
Anaplasma platys ("Ehrlichia platys")		2			t
ANCALOCHLORIS					
Ancalochloris perfilievii	1				
1	=				

Genera		Risk group		.
Species	1	2 3	4	Notes
ANCALOMICROBIUM			•	
Ancalomicrobium adetum	1			
ANCYLOBACTER				
Ancylobacter aquaticus (Microcyclus aquaticus)	1			
Ancylobacter polymorphus	1			
Ancylobacter rudongensis	1			
Ancylobacter vacuolatus	1			
ANDERSENIELLA				
Anderseniella baltica	1			
ANDREPREVOTIA				
Andreprevotia chitinilytica	1			
ANEURINIBACILLUS				
Aneurinibacillus aneurinilyticus (Bacillus aneurinilyticus)	1			
Aneurinibacillus danicus	1			
Aneurinibacillus migulanus (Bacillus migulanus)	1			
Aneurinibacillus terranovensis	1			
Aneurinibacillus thermoaerophilus (Bacillus thermoaerophilus)	1			
ANGIOCOCCUS → CYSTOBACTER				
Angiococcus disciformis (Myxococcus disciformis)				
→ Cystobacter disciformis				
ANGULOMICROBIUM				
Angulomicrobium amanitiforme	1			
Angulomicrobium tetraedrale	1			
ANOXYBACILLUS				
Anoxybacillus amylolyticus	1			
Anoxybacillus ayderensis	1			
Anoxybacillus contaminans	1			
Anoxybacillus flavithermus	1			
Anoxybacillus gonensis	1			
Anoxybacillus kamchatkensis	1			
Anoxybacillus kestanbolensis	1			
Anoxybacillus pushchinoensis	1			
Anoxybacillus rupiensis	1			
Anoxybacillus voinovskiensis	1			
ANOXYNATRONUM				
Anoxynatronum sibiricum	1			
ANTARCTOBACTER				
Antarctobacter heliothermus	1			
AQUABACTER				
Aquabacter spiritensis	1			
AQUABACTERIUM				
Aquabacterium citratiphilum	1			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Aquabacterium commune	1				
Aquabacterium parvum	1				
AQUAMICROBIUM					
Aquamicrobium defluvii	1				
AQUASPIRILLUM					
Aquaspirillum anulus → Giesbergeria anulus					
Aquaspirillum aquaticum → Comamonas aquatica					
Aquaspirillum arcticum	1				
Aquaspirillum autotrophicum → Herbaspirillum autotrophicum	1				
Aquaspirillum bengal – synonym: Aquaspirillum serpens					
Aquaspirillum delicatum → Curvibacter delicatus					
Aquaspirillum dispar – synonym: Microvirgula aerodenitrificans					
Aquaspirillum fasciculus → Prolinoborus fasciculus					
Aquaspirillum giesbergeri → Giesbergeria giesbergeri					
Aquaspirillum gracile → Hylemonella gracilis					
Aquaspirillum itersonii subsp. itersonii					
→ Novispirillum itersonii subsp. itersonii					
Aquaspirillum itersonii subsp. nipponicum					
→ Novispirillum itersonii subsp. nipponicum					
Aquaspirillum magnetotacticum → Magnetospirillum magnetotacticum					
Aquaspirillum metamorphum → Simplicispira metamorpha					
Aquaspirillum peregrinum subsp. integrum					
→ Insolitispirillum peregrinum subsp. integrum					
Aquaspirillum peregrinum subsp. peregrinum					
→ Insolitispirillum peregrinum subsp. peregrinum					
Aquaspirillum polymorphum	1				
Aquaspirillum psychrophilum → Simplicispira psychrophila					
Aquaspirillum putridiconchylium	1				
Aquaspirillum serpens	1				
Aquaspirillum sinuosum → Giesbergeria sinuosa					
AQUICELLA					
Aquicella lusitana	1				
Aquicella siphonis	1				
AQUIFEX					
Aquifex pyrophilus	1				
AQUIFLEXUM					
Aquiflexum balticum	1				
AQUIMARINA					
Aquimarina brevivitae (Gaetbulimicrobium brevivitae)	1				
Aquimarina intermedia	1				
Aquimarina latercula (Cytophaga latercula, Stanierella latercula)	1				
Aquimarina muelleri	1				
AQUIMONAS					
Aquimonas voraii	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
AQUINCOLA					
Aquincola tertiaricarbonis	1				
AQUISALIMONAS					
Aquisalimonas asiatica	1				
AQUITALEA					
Aquitalea magnusonii	1				
ARACHNIA → PROPIONIBACTERIUM					
Arachnia propionica → Propionibacterium propionicum					
ARCANOBACTERIUM					
Arcanobacterium bernardiae (Actinomyces bernardiae)		2			
Arcanobacterium bialowiezense		2			t
Arcanobacterium bonasi		2			t
Arcanobacterium haemolyticum					
("Corynebacterium haemolyticum")		2			ht
Arcanobacterium hippocoleae	1				t+
Arcanobacterium phocae		2			t
Arcanobacterium pyogenes					
(Corynebacterium pyogenes, Actinomyces pyogenes)		2			ht
ARCHAEOGLOBUS					
Archaeoglobus fulgidus	1				
Archaeoglobus infectus	1				
Archaeoglobus profundus	1				
Archaeoglobus veneficus	1				
ARCHANGIUM					
Archangium gephyra	1				
ARCICELLA					
Arcicella aquatica	1				
ARCOBACTER					
Arcobacter butzleri (Campylobacter butzleri)		2			ht
Arcobacter cryaerophilus (Campylobacter cryaerophilus)		2			ht
Arcobacter halophilus	1				
Arcobacter nitrofigilis (Campylobacter nitrofigilis)	1				
Arcobacter skirrowii	1				ht+
ARENIBACTER					
Arenibacter certesii	1				
Arenibacter echinorum	1				
Arenibacter latericius	1				
Arenibacter palladensis	1				
Arenibacter troitsensis	1				
ARENIMONAS					
Arenimonas donghaensis	1				
Arenimonas malthae	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Arhodomonas aquaeolei	1				
ADSENIAGOSONS					
ARSENICICOCCUS	4				
Arsenicicoccus bolidensis	1				
ARSENOPHONUS					
Arsenophonus nasoniae	1				n
ARTHROBACTER					
Arthrobacter agilis (Micrococcus agilis)	1				
Arthrobacter albus	•	2			
Arthrobacter ardleyensis	1	_			
Arthrobacter arilaitensis	1				
Arthrobacter atrocyaneus	1				
Arthrobacter aurescens	1				
Arthrobacter bergerei	1				
Arthrobacter castelli	1				
Arthrobacter chlorophenolicus	1				
Arthrobacter citreus	1				
Arthrobacter creatinolyticus	1				
•					
Arthrobacter crystallopoietes	1	2			
Arthrobacter cumminsii		2			
Arthrobacter duodecadis → Tetrasphaera duodecadis					
Arthrobacter flavescens → Microbacterium flavescens					
Arthrobacter flavus	1				
Arthrobacter gandavensis		2			t
Arthrobacter gangotriensis	1				
Arthrobacter globiformis	1				
Arthrobacter histidinolovorans	1				
Arthrobacter humicola	1				
Arthrobacter ilicis	1				
Arthrobacter kerguelensis	1				
Arthrobacter koreensis	1				
Arthrobacter luteolus		2			
Arthrobacter methylotrophus	1				
Arthrobacter monumenti	1				
Arthrobacter mysorens	1				
Arthrobacter nicotianae	1				
Arthrobacter nicotinovorans	1				
Arthrobacter nitroguajacolicus	1				
Arthrobacter oryzae	1				
Arthrobacter oxydans	1				
Arthrobacter parietis	1				
Arthrobacter pascens	1				
Arthrobacter picolinophilus → Rhodococcus erythropolis					
Arthrobacter pigmenti	1				
Arthrobacter polychromogenes	1				
Arthrobacter protophormiae (Brevibacterium protophormiae)	1				
Arthrobacter psychrolactophilus	1				
Arthrobacter psychrophenolicus	1				
Arthrobacter radiotolerans → Rubrobacter radiotolerans	1				
	1				
Arthrobacter ramosus	1				

Genera		Risk	group		Nicto
Species	1	2	3	4	Notes
Arthrobacter rhombi	1				
Arthrobacter roseus	1				
Arthrobacter russicus	1				
Arthrobacter scleromae	1				+
Arthrobacter siderocapsulatus – synonym: Pseudomonas putida					
Arthrobacter simplex → Nocardioides simplex					
Arthrobacter stackebrandtii	1				
Arthrobacter sulfonivorans	1				
Arthrobacter sulfureus	1				
Arthrobacter tecti	1				
Arthrobacter terregens → Microbacterium terregens					
Arthrobacter tumbae	1				
	1				
Arthrobacter tumescens → Terrabacter tumescens	1				
Arthrobacter uratoxydans	1				
Arthrobacter ureafaciens	1				
Arthrobacter variabilis → Corynebacterium variabile					
Arthrobacter viscosus	1				
Arthrobacter woluwensis		2			
ASACCHAROBACTER					
Asaccharobacter celatus	1				
ASAIA					
Asaia bogorensis	1				
Asaia krungthepensis	1				
Asaia siamensis	1				
ASANOA					
Asanoa ferruginea (Catellatospora ferruginea)	1				
Asanoa iriomotensis	1				
Asanoa ishikariensis	1				
ACDDOMONIAC					
ASPROMONAS Aspromonas composti	1				
rispromonas composit	1				
ASTEROLEPLASMA					
Asteroleplasma anaerobium	1				
ASTICCACAULIS					
Asticcacaulis benevestitus	1				
Asticcacaulis biprosthecum	1				
Asticcacaulis excentricus	1				
Asticcacaulis taihuensis	1				
	-				
ATOPOBIUM					
Atopobium fossor (Eubacterium fossor)		2			t
Atopobium minutum (Lactobacillus minutus)		2			
Atopobium parvulum					
(Peptostreptococcus parvulus, Streptococcus parvulus)		2			
Atopobium rimae (Lactobacillus rimae)		2			
Atopobium vaginae		2			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Atopococcus tabaci	1				
ATOPOSTIPES					
Atopostipes suicloacalis	1				
AURANTIMONAS					
Aurantimonas altamirensis	1				
Aurantimonas coralicida	1				n
Aurantimonas frigidaquae	1				
Aurantimonas ureilytica	1				
AUREISPIRA					
Aureispira marina	1				
Aureispira maritima	1				
AUREOBACTERIUM → MICROBACTERIUM					
Aureobacterium arabinogalactanolyticum					
→ Microbacterium arabinogalactanolyticum					
Aureobacterium barkeri → Microbacterium barkeri					
Aureobacterium esteraromaticum → Microbacterium esteraromaticum					
Aureobacterium flavescens → Microbacterium flavescens					
Aureobacterium keratanolyticum → Microbacterium keratanolyticum					
Aureobacterium liquefaciens → Microbacterium liquefaciens					
Aureobacterium luteolum → Microbacterium luteolum					
Aureobacterium resistens → Microbacterium resistens					
Aureobacterium saperdae → Microbacterium saperdae Aureobacterium schleiferi → Microbacterium schleiferi					
Aureobacterium terrae → Microbacterium terrae					
Aureobacterium terregens → Microbacterium terregens					
Aureobacterium testaceum → Microbacterium testaceum					
Aureobacterium trichothecenolyticum → Microbacterium trichothecenolyticum					
,					
AVIBACTERIUM		2			_
Avibacterium avium (Pasteurella avium, Haemophilus avium) Avibacterium endocarditidis		2 2			t t
Avibacterium gallinarum (Pasteurella gallinarum)		2			ht
Avibacterium paragallinarum (Haemophilus paragallinarum)		2			t
Avibacterium volantium (Pasteurella volantium)	1	-			t+
AZOARCUS					
Azoarcus anaerobius	1				
Azoarcus communis	1				
Azoarcus evansii	1				
Azoarcus indigens	1				
Azoarcus toluclasticus	1				
Azoarcus tolulyticus	1				
Azoarcus toluvorans	1				
AZOHYDROMONAS					
Azohydromonas australica	1				
Azohydromonas lata (Alcaligenes latus)	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
AZOMONAS					
	1				
Azomonas agilis	1				
Azomonas insignis	1				
Azomonas macrocytogenes (Azomonotrichon macrocytogenes, Azotobacter macrocytogenes)	1				
AZOMONOTRICHON → AZOMONAS					
Azomonotrichon macrocytogenes → Azomonas macrocytogenes					
AZONEXUS					
Azonexus caeni	1				
Azonexus fungiphilus	1				
Azonexus hydrophilus	1				
AZORHIZOBIUM					
Azorhizobium caulinodans	1				
Azorhizobium doebereinerae	1				
AZORHIZOPHILUS					
Azorhizophilus paspali (Azotobacter paspali)	1				
AZOSPIRA					
Azospira oryzae	1				
Azospira restricta	1				
AZOSPIRILLUM					
Azospirillum amazonense	1				
Azospirillum brasilense	1				
Azospirillum canadense	1				
Azospirillum doebereinerae	1				
Azospirillum halopraeferens	1				
Azospirillum irakense	1				
Azospirillum largimobile					
(Conglomeromonas largomobilis subsp. largomobilis)	1				
Azospirillum lipoferum	1				
Azospirillum melinis	1				
Azospirillum oryzae	1				
Azospirillum rugosum	1				
Azospirillum zeae	1				
AZOTOBACTER					
Azotobacter armeniacus	1				
Azotobacter beijerinckii	1				
Azotobacter chroococcum	1				
Azotobacter macrocytogenes → Azomonas macrocytogenes					
Azotobacter nigricans subsp. achromogenes	1				
Azotobacter nigricans subsp. nigricans	1				
Azotobacter paspali → Azorhizophilus paspali					
Azotobacter salinestris	1				
	-				

Genera		Risk group		Notes
Species	1	2 3	4	Notes
Azovibrio restrictus	1			
DACH LUC				
BACILLUS	1			
Bacillus acidiceler	1			
Bacillus acidicola	1			
Bacillus acidocaldarius				
→ Alicyclobacillus acidocaldarius subsp. acidocaldrius				
Bacillus acidoterrestris → Alicyclobacillus acidoterrestris	1			
Bacillus aeolius	1			
Bacillus aerius	1			
Bacillus aerophilus	1			
Bacillus agaradhaerens	1			
Bacillus agri → Brevibacillus agri				
Bacillus akibai	1			
Bacillus alcalophilus	1			
Bacillus algicola	1			
Bacillus alginolyticus → Paenibacillus alginolyticus				
Bacillus altitudinis	1			
Bacillus alveayuensis	1			
Bacillus alvei → Paenibacillus alvei				
Bacillus amyloliquefaciens	1			
Bacillus amylolyticus → Paenibacillus amylolyticus				
Bacillus aneurinilyticus → Aneurinibacillus aneurinilyticus				
Bacillus anthracis		3		Z
Bacillus aquimaris	1			
Bacillus arenosi → Viridibacillus arenosi				
Bacillus arseniciselenatis	1			
Bacillus arsenicus	1			
Bacillus arvi → Viridibacillus arvi				
Bacillus asahii	1			
Bacillus atrophaeus	1			+
Bacillus aurantiacus	1			
Bacillus axarquiensis – synonym: Bacillus mojavensis				
Bacillus azotofixans → Paenibacillus azotofixans				
Bacillus azotoformans	1			
Bacillus badius	1			
Bacillus barbaricus	1			
Bacillus bataviensis	1			
Bacillus benzoevorans	1			
Bacillus bogoriensis	1			
Bacillus boroniphilus	1			
Bacillus borstelensis → Brevibacillus borstelensis	-			
Bacillus brevis → Brevibacillus brevis				
	1			
Bacillus butanolivorans Regillus carboniphilus	1			
Bacillus calbulosilyticus	1			
Bacillus cellulosilyticus	1			
Bacillus centrosporus → Brevibacillus centrosporus		2		
Bacillus cereus	á	2		T, TA
Bacillus chagannorensis	1			
Bacillus chitinolyticus → Paenibacillus chitinolyticus				
Bacillus chondroitinus → Paenibacillus chondroitinus				

Species	Genera		Risk group		.
Bacillus choshinensis → Brevibacillus choshinensis 1	Species	1		4	Notes
Bacillus circulans	Bacillus choshinensis → Brevibacillus choshinensis				
Bacillus circulans		1			
Bacillus clusii Bacillus coapulans 1					+
Bacillus coaqulans	Bacillus clarkii	1			
Bacillus codhuilensis 1 Bacillus curdilanolyticus → Paenibacillus curdianolyticus 1 Bacillus cycloheptanicus → Alicyclobacillus cycloheptanicus 1 Bacillus decisirrondis 1 Bacillus decisirrondis 1 Bacillus decisirrondis 1 Bacillus diposauri → Gracifibacillus diposauri 1 Bacillus diposauri → Gracifibacillus chimensis 1 Bacillus demetensis 1 Bacillus chimensis → Paenibacillus chimensis 1 Bacillus chimensis → Paenibacillus chimensis 1 Bacillus faringinis 1 Bacillus fastidiosus 1 Bacillus faringinis 1 Bacillus faringinis 1 Bacillus formus 1 Bacillus formus 1 Bacillus formus 1 Bacillus formosus → Brevibacillus formosus 1 Bacillus funiculus 1 Bacillus fusiformis → Lysinibacillus fusiformis 1 Bacillus glactosidilyticus 1 Bacillus glactosidilyticus 1 Bacillus glactosidilyticus 1	Bacillus clausii	1			
Bacillus codhuilensis 1 Bacillus curdilanolyticus → Paenibacillus curdianolyticus 1 Bacillus cycloheptanicus → Alicyclobacillus cycloheptanicus 1 Bacillus decisirrondis 1 Bacillus decisirrondis 1 Bacillus decisirrondis 1 Bacillus diposauri → Gracifibacillus diposauri 1 Bacillus diposauri → Gracifibacillus chimensis 1 Bacillus demetensis 1 Bacillus chimensis → Paenibacillus chimensis 1 Bacillus chimensis → Paenibacillus chimensis 1 Bacillus faringinis 1 Bacillus fastidiosus 1 Bacillus faringinis 1 Bacillus faringinis 1 Bacillus formus 1 Bacillus formus 1 Bacillus formus 1 Bacillus formosus → Brevibacillus formosus 1 Bacillus funiculus 1 Bacillus fusiformis → Lysinibacillus fusiformis 1 Bacillus glactosidilyticus 1 Bacillus glactosidilyticus 1 Bacillus glactosidilyticus 1	Bacillus coagulans	1			+
Bacillus curdlanolyticus → Paenibacillus curdlanolyticus Bacillus decisifrondis Bacillus decisifrondis Bacillus decisifrondis Bacillus decisifrondis Bacillus decisifrondis Bacillus decisifrondis Bacillus decolorationis Bacillus decolorationis Bacillus deposauri → Gracilibacillus dipsosauri Bacillus denenensis Bacillus edaphicus Bacillus endophyticus Bacillus endophyticus Bacillus fastidiosus Bacillus fastidiosus Bacillus fastidiosus Bacillus fastidiosus Bacillus framus Bacillus foraminis Bacillus foraminis Bacillus foraminis Bacillus fororeii Bacillus genterii Bacillus genterii Bacillus glactophilus → Synonym: Bacillus agri → Brevibacillus agri Bacillus gissengilumi Bacillus gissengilumi Bacillus gissengilumi Bacillus gissengilumi Bacillus gissengilumi Bacillus glucanolyticus → Paenibacillus glucanolyticus Bacillus glucanolyticus → Paenibacillus plusanolyticus Bacillus glucanolyticus → Paenibacillus sulatoreii Bacillus glucanolyticus Bacillus halmapatus Bacillus halodenitrificans → Virgibacillus halodenitrificans Bacillus halodenitrificans → Virgibacillus halodenitrificans Bacillus halodenitrificans → Virgibacillus halodenitrificans Bacillus halodenitrificans → Salmicrobium halophilum Bacillus hemicellulosilyticus Bacillus horikoshii Bacillus indicus	Bacillus coahuilensis	1			
Bacillus cycloheptanicus → Alicyclobacillus cycloheptanicus 1 Bacillus decisifrondis 1 Bacillus deciorationis 1 Bacillus dipsosauri → Gracilibacillus dipsosauri 1 Bacillus dipsosauri → Gracilibacillus dipsosauri 1 Bacillus derentensis 1 Bacillus endophyticus 1 Bacillus endophyticus 1 Bacillus farraginis 1 Bacillus farraginis 1 Bacillus firmus 1 Bacillus firmus 1 Bacillus forus 1 Bacillus formis 1 Bacillus functioulus 1 Bacillus functioulus 1 Bacillus galactophilus – synonym: Bacillus agri → Brevibacillus agri Bacillus galactophilus – synonym: Bacillus agri → Brevibacillus agri 1 Bacillus gibcanolyticus 1 Bacillus gibcanolyticus → Paenibacillus glucanolyticus <t< td=""><td>Bacillus cohnii</td><td>1</td><td></td><td></td><td></td></t<>	Bacillus cohnii	1			
Bacillus decolorationis 1 Bacillus decolorationis 1 Bacillus decolorationis 1 Bacillus derentensis 1 Bacillus edaphicus 1 Bacillus echimensis → Paenibacillus chimensis 1 Bacillus farraginis 1 Bacillus farraginis 1 Bacillus fastidiosus 1 Bacillus formus 1 Bacillus formus 1 Bacillus foraminis 1 Bacillus forothi 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus funciolus 1 Bacillus funciolus 1 Bacillus funciolus 1 Bacillus glactoribilus – Synonym: Bacillus agri → Brevibacillus agri 1 Bacillus glactosidlyticus 1 Bacillus gelatini 1 Bacillus gelatini 1 Bacillus gelotisporus subsp. marinus → Marinibacillus marinus Bacillus jobisporus → Sporosarcina globispora 1<	Bacillus curdlanolyticus → Paenibacillus curdlanolyticus				
Bacillus decolorationis 1 Bacillus decolorationis 1 Bacillus decolorationis 1 Bacillus derentensis 1 Bacillus edaphicus 1 Bacillus echimensis → Paenibacillus chimensis 1 Bacillus farraginis 1 Bacillus farraginis 1 Bacillus fastidiosus 1 Bacillus formus 1 Bacillus formus 1 Bacillus foraminis 1 Bacillus forothi 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus fortis 1 Bacillus funciolus 1 Bacillus funciolus 1 Bacillus funciolus 1 Bacillus glactoribilus – Synonym: Bacillus agri → Brevibacillus agri 1 Bacillus glactosidlyticus 1 Bacillus gelatini 1 Bacillus gelatini 1 Bacillus gelotisporus subsp. marinus → Marinibacillus marinus Bacillus jobisporus → Sporosarcina globispora 1<	Bacillus cycloheptanicus → Alicyclobacillus cycloheptanicus				
Bacillus dipsosauri → Gracilibacillus dipsosauri 1 Bacillus derentensis 1 Bacillus edaphicus 1 Bacillus edophyticus 1 Bacillus endophyticus 1 Bacillus farraginis 1 Bacillus farriginis 1 Bacillus firmus 1 Bacillus firmus 1 Bacillus forms 1 Bacillus fordii 1 Bacillus fordii 1 Bacillus fordii 1 Bacillus formosus → Brevibacillus formosus 1 Bacillus fortis 1 Bacillus funiculus 1 Bacillus glactoridilyticus 1 Bacillus glactoridilyticus 1 Bacillus glactoridilyticus 1 Bacillus globispori 1 Bacillus globispori 1 Bacillus globisporus subsp. marinus → Marinibacillus mari	Bacillus decisifrondis	1			
Bacillus drentensis 1 Bacillus edaphicus 1 Bacillus echimensis → Paenibacillus ehimensis 1 Bacillus farraginis 1 Bacillus farraginis 1 Bacillus fastidiosus 1 Bacillus formus 1 Bacillus formus 1 Bacillus foraminis 1 Bacillus fordii 1 Bacillus fordii 1 Bacillus formosus → Brevibacillus formosus 1 Bacillus fumarioli 1 Bacillus fumiculus 1 Bacillus fusiformis → Lysinibacillus fusiformis 1 Bacillus galactoshilyticus 1 Bacillus galactoshilyticus 1 Bacillus galactoshilyticus 1 Bacillus gibsconii 1 Bacillus ginsengihumi 1 Bacillus giobisporus subsp. marinus → Marinibacillus marinus Bacillus glucanolyticus → Paenibacillus glucanolyticus Bacillus podoisporus subsp. marinus → Marinibacillus marinus Bacillus haloalkaliphilus → Alkalibacillus halodenitrificans Bacillus halodenitrificans → Virgibacillus halodenitrificans	Bacillus decolorationis	1			
Bacillus drentensis 1 Bacillus edaphicus 1 Bacillus echimensis → Paenibacillus ehimensis 1 Bacillus farraginis 1 Bacillus farraginis 1 Bacillus fastidiosus 1 Bacillus formus 1 Bacillus formus 1 Bacillus foraminis 1 Bacillus fordii 1 Bacillus fordii 1 Bacillus formosus → Brevibacillus formosus 1 Bacillus fumarioli 1 Bacillus fumiculus 1 Bacillus fusiformis → Lysinibacillus fusiformis 1 Bacillus galactoshilyticus 1 Bacillus galactoshilyticus 1 Bacillus galactoshilyticus 1 Bacillus gibsconii 1 Bacillus ginsengihumi 1 Bacillus giobisporus subsp. marinus → Marinibacillus marinus Bacillus glucanolyticus → Paenibacillus glucanolyticus Bacillus podoisporus subsp. marinus → Marinibacillus marinus Bacillus haloalkaliphilus → Alkalibacillus halodenitrificans Bacillus halodenitrificans → Virgibacillus halodenitrificans	Bacillus dipsosauri → Gracilibacillus dipsosauri				
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Bacillus gordonae → Paenibacillus validus Bacillus halmapalus Bacillus haloalkaliphilus → Alkalibacillus haloalkaliphilus Bacillus halodenitrificans → Virgibacillus halodenitrificans Bacillus halodurans ("Bacillus alcalophilus subsp. halodurans") Bacillus halophilus → Salimicrobium halophilum Bacillus hemicellulosilyticus Bacillus herbersteinensis 1 Bacillus horti Bacillus horti Bacillus humi Bacillus hwajinpoensis 1 Bacillus hwajinpoensis 1 Bacillus indicus 1 Bacillus infernus	Bacillus globisporus subsp. marinus → Marinibacillus marinus				
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Bacillus haloalkaliphilus → Alkalibacillus haloalkaliphilus Bacillus halodenitrificans → Virgibacillus halodenitrificans Bacillus halodurans ("Bacillus alcalophilus subsp. halodurans") 1 Bacillus halophilus → Salimicrobium halophilum Bacillus hemicellulosilyticus 1 Bacillus herbersteinensis 1 Bacillus horikoshii 1 Bacillus horti 1 Bacillus humi 1 Bacillus hwajinpoensis 1 Bacillus hwajinpoensis 1 Bacillus indicus 1 Bacillus infernus 1	<u> </u>	1			
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Bacillus hwajinpoensis1Bacillus indicus1Bacillus infernus1	Bacillus humi	1			
Bacillus indicus 1 Bacillus infernus 1	Bacillus hwajinpoensis	1			
Bacillus infernus 1	Bacillus indicus	1			
Bacillus insolitus 1	Bacillus infernus	1			
	Bacillus insolitus	1			

Genera		Risk group		
Species	1	2 3	4	Notes
Bacillus isabeliae	1			
Bacillus jeotgali	1			
Bacillus kaustophilus → Geobacillus kaustophilus	•			
Bacillus kobensis → Paenibacillus kobensis				
Bacillus koreensis	1			
Bacillus kribbensis	1			
Bacillus krulwichiae	1			
	1			
Bacillus laevolacticus → Sporolactobacillus laevolacticus				
Bacillus larvae → Paenibacillus larvae				
Bacillus laterosporus → Brevibacillus laterosporus				
Bacillus lautus → Paenibacillus lautus				
Bacillus lehensis	1			
Bacillus lentimorbus → Paenibacillus lentimorbus				
Bacillus lentus	1			
Bacillus licheniformis	1			+
Bacillus litoralis	1			
Bacillus luciferensis	1			
Bacillus macauensis	1			
Bacillus macerans → Paenibacillus macerans				
Bacillus macquariensis → Paenibacillus macquariensis				
Bacillus macyae	1			
Bacillus malacitensis – synonym: Bacillus mojavensis				
Bacillus mannanilyticus	1			
Bacillus marinus → Marinibacillus marinus				
Bacillus marisflavi	1			
Bacillus marismortui → Virgibacillus marismortui				
Bacillus massiliensis	1			+
Bacillus megaterium	1			+
Bacillus methanolicus	1			
Bacillus migulanus → Aneurinibacillus migulanus				
Bacillus mojavensis	1			
Bacillus mucilaginosus	1			
Bacillus muralis	1			
Bacillus murimartini	1			
Bacillus mycoides	1			
Bacillus naganoensis → Pullulanibacillus naganoensis	_			
Bacillus nealsonii	1			
Bacillus neidei → Viridibacillus neidei	1			
Bacillus niabensis	1			
Bacillus niacini	1			
Bacillus novalis	1			
Bacillus odysseyi	1			
Bacillus okhensis	1			
Bacillus okuhidensis	1			
Bacillus oleronius	1			
Bacillus oshimensis	1			
	1			
Bacillus pabuli → Paenibacillus pabuli				
Bacillus pallidus → Geobacillus pallidus	4			
Bacillus panaciterrae	1			
Bacillus pantothenticus → Virgibacillus pantothenticus				

Genera		Risk group		
Species	1	2 3	4	Notes
Bacillus parabrevis → Brevibacillus parabrevis				
Bacillus pasteurii → Sporosarcina pasteurii				
Bacillus patagoniensis	1			
Bacillus peoriae → Paenibacillus peoriae				
Bacillus plakortidis	1			
Bacillus pocheonensis	1			
Bacillus polygoni	1			
Bacillus polymyxa → Paenibacillus polymyxa				
Bacillus popilliae → Paenibacillus popilliae				
Bacillus pseudalcaliphilus	1			
Bacillus pseudofirmus	1			
Bacillus pseudomycoides	1			
Bacillus psychrodurans	1			
Bacillus psychrophilus → Sporosarcina psychrophila				
Bacillus psychrosaccharolyticus	1			
Bacillus psychrotolerans	1			
Bacillus pulvifaciens → Paenibacillus larvae				
Bacillus pumilus	1			+
Bacillus pycnus	1			
Bacillus qingdaonensis	1			
Bacillus reuszeri → Brevibacillus reuszeri				
Bacillus ruris	1			
Bacillus safensis	1			
Bacillus salarius	1			
Bacillus salexigens → Virgibacillus salexigens				
Bacillus saliphilus	1			
Bacillus schlegelii	1			
Bacillus selenatarsenatis	1			
Bacillus selenitireducens	1			
Bacillus seohaeanensis	1			
Bacillus shackletonii	1			
Bacillus silvestris	1			
Bacillus simplex	1			
Bacillus siralis	1			
Bacillus smithii	1			
Bacillus soli	1			
Bacillus sonorensis	1			
Bacillus sphaericus → Lysinibacillus sphaericus				
Bacillus sporothermodurans	1			
Bacillus stearothermophilus → Geobacillus stearothermophilus				
Bacillus stratosphericus	1			
Bacillus subterraneus	1			
Bacillus subtilis subsp. spizizenii	1			+
Bacillus subtilis subsp. subtilis	1			+
Bacillus taeanensis	1			
Bacillus tequilensis	1			
Bacillus therm(o)antarcticus	1			
Bacillus thermoaerophilus \rightarrow Aneurinibacillus thermoaerophilus				
Bacillus thermoamylovorans	1			
Bacillus thermocatenulatus \rightarrow Geobacillus thermocatenulatus				
Bacillus thermocloaceae	1			

Genera		Risk g			
Species	1	2	3	4	Notes
Bacillus thermodenitrificans → Geobacillus thermodenitrificans					
Bacillus thermoglucosidasius → Geobacillus thermoglucosidasius					
Bacillus thermoleovorans → Geobacillus thermoleovorans					
Bacillus thermoruber → Brevibacillus thermoruber					
Bacillus thermosphaericus → Ureibacillus thermosphaericus					
Bacillus thiaminolyticus → Paenibacillus thiaminolyticus Bacillus thioparus	1				
Bacillus thuringiensis	1				+, n
Bacillus tusciae	1				',11
Bacillus validus → Paenibacillus validus	1				
Bacillus vallismortis	1				
Bacillus vedderi	1				
Bacillus velezensis – synonym: Bacillus amyloliquefaciens	1				
Bacillus vietnamensis	1				
Bacillus vireti	1				
Bacillus vulcani → Geobacillus vulcani	•				
Bacillus wakoensis	1				
Bacillus weihenstephanensis	1	2			
2 Montal Well-clock Plantons		_			
BACTERIOLYTICUM					
Bacteriolyticum stolpii (Bacteriovorax stolpii, Bdellovibrio stolpii)	1				
BACTERIONEMA → CORYNEBACTERIUM					
Bacterionema matruchotii \rightarrow Corynebacterium matruchotii					
BACTERIOVORAX					
Bacteriovorax litoralis	1				
Bacteriovorax marinus	1				
Bacteriovorax starrii → Peredibacter starrii					
Bacteriovorax stolpii (Bdellovibrio stolpii) $ ightarrow$ Bacteriolyticum stolpii					
BACTEROIDES					
Bacteroides acidifaciens	1				
Bacteroides amylophilus → Ruminobacter amylophilus					
Bacteroides asaccharolyticus → Porphyromonas asaccharolytica					
Bacteroides bivius → Prevotella bivia					
Bacteroides buccae → Prevotella buccae					
Bacteroides buccalis → Prevotella buccalis					
Bacteroides baceans 7 revotena baceans Bacteroides caccae		2			
Bacteroides capillosus		2			
Bacteroides capillus – synonym: Bacteroides buccae		_			
→ Prevotella buccae					
Bacteroides cellulosilyticus	1				
Bacteroides cellulosolvens	1				
Bacteroides coagulans		2			
Bacteroides coprocola	1				
Bacteroides coprophilus	1				
Bacteroides coprosuis	1				
Bacteroides corporis → Prevotella corporis					
Bacteroides denticola → Prevotella denticola					

Genera	Risk group					
Species	1	2 3	4	Notes		
Bacteroides disiens → Prevotella disiens			•			
Bacteroides distasonis → Parabacteroides distasonis						
Bacteroides dorei	1					
Bacteroides eggerthii	-	2				
Bacteroides endodontalis → Porphyromonas endodontalis						
Bacteroides finegoldii	1					
Bacteroides forsythus → Tannerella forsythensis						
Bacteroides fragilis		2		TA, ht		
Bacteroides furcosus → Anaerorhabdus furcosa						
Bacteroides galacturonicus	1			+		
Bacteroides gingivalis → Porphyromonas gingivalis						
Bacteroides goldsteinii → Parabacteroides goldsteinii						
Bacteroides gracilis → Campylobacter gracilis						
Bacteroides helcogenes		2		t		
Bacteroides heparinolyticus → Prevotella heparinolytica						
Bacteroides hypermegas → Megamonas hypermegale						
Bacteroides intermedius → Prevotella intermedia						
Bacteroides intestinalis	1					
Bacteroides levii → Porphyromonas levii						
Bacteroides loescheii → Prevotella loescheii						
Bacteroides macacae → Porphyromonas macacae						
Bacteroides massiliensis	1			+		
Bacteroides melaninogenicus → Prevotella melaninogenica						
Bacteroides melaninogenicus subsp. intermedius						
→ Prevotella intermedia						
Bacteroides melaninogenicus subsp. macacae						
→ Porphyromonas macacae						
Bacteroides melaninogenicus subsp. melaninogenicus						
→ Prevotella melaninogenica						
Bacteroides merdae → Parabacteroides merdae						
Bacteroides microfusus → Rikenella microfusus						
Bacteroides multiacidus → Mitsuokella multiacida						
Bacteroides nodosus → Dichelobacter nodosus						
Bacteroides nordii		2				
Bacteroides ochraceus → Capnocytophaga ochracea						
Bacteroides oralis → Prevotella oralis						
Bacteroides oris → Prevotella oris						
Bacteroides oulorum → Prevotella oulora						
Bacteroides ovatus		2				
Bacteroides pectinophilus	1			+		
Bacteroides pentosaceus – synonym: Bacteroides buccae						
→ Prevotella buccae						
Bacteroides plebeius	1					
Bacteroides pneumosintes → Dialister pneumosintes						
Bacteroides polypragmatus	1					
Bacteroides praeacutus → Tissierella praeacuta	4					
Bacteroides propionicifaciens	1					
Bacteroides putredinis → Alistipes putredinis		2		+		
Bacteroides pyogenes		2		t		

Genera		Risk group		Notas
Species	1	2 3	4	Notes
Bacteroides ruminicola subsp. brevis → Prevotella brevis				
Bacteroides ruminicola subsp. ruminicola → Prevotella ruminicola				
Bacteroides salivosus → Porphyromonas macacae				
Bacteroides salversiae		2		
Bacteroides splanchnicus → Odoribacter splanchnicus		2		
Bacteroides spranchineus -> Odonbacter spranchineus Bacteroides stercoris	1			+
Bacteroides succinogenes	1			,
→ Fibrobacter succinogenes subsp. succinogenes				
Bacteroides suis		2		t
Bacteroides tectus		2		ht
Bacteroides termitidis → Sebaldella termitidis				
Bacteroides thetaiotaomicron		2		
Bacteroides uniformis		2		
Bacteroides ureolyticus		2		ht
Bacteroides veroralis → Prevotella veroralis		_		
Bacteroides vulgatus	1			+
Bacteroides vulgatus Bacteroides xylanolyticus	1			,
Bacteroides xyamoryaeus Bacteroides zoogleoformans → Prevotella zoogleoformans	1			
Dacteroides zoogleorormans –7 i revotena zoogleorormans				
BACTODERMA				
Bactoderma alba	1			
Bactoderma rosea	1			
BALNEARIUM				
Balnearium lithotrophicum	1			
BALNEATRIX				
Balneatrix alpica		2		
Danicatiix aipica		2		
BALNEOLA				
Balneola alkaliphila	1			
Balneola vulgaris	1			
PALATION ON AG				
BALNEOMONAS	1			
Balneomonas flocculans	1			
BARTONELLA				
Bartonella alsatica		2		ht
Bartonella bacilliformis		2		
Bartonella birtlesii		2		t
Bartonella bovis		2		t
Bartonella capreoli		2		t
Bartonella clarridgeiae		2		Z
Bartonella doshiae		2		t
Bartonella elizabethae (Rochalimaea elizabethae)		2		Z
Bartonella grahamii		2		Z
Bartonella henselae (Rochalimaea henselae)		2		Z
Bartonella koehlerae		2		Z
Bartonella peromysci (Grahamella peromysci)		2		Τ
Bartonella quintana (Rochalimaea quintana)		2		Z
Bartonella schoenbuchensis		2		\mathbf{Z}
Bartonella talpae (Grahamella talpae)		2		Т

Genera		Risk g	eroup		
Species	1	2	3	4	Notes
Bartonella taylorii		2		<u> </u>	Т
Bartonella tribocorum		2			Τ
Bartonella vinsonii subsp. arupensis		2			Z
Bartonella vinsonii subsp. berkhoffii		2			Z
Bartonella vinsonii subsp. vinsonii (Rochalimaea vinsonii)		2			t
BDELLOVIBRIO					
Bdellovibrio bacteriovorus	1				
Bdellovibrio starrii → Peredibacter starrii					
Bdellovibrio stolpii → Bacteriolyticum stolpii					
BEGGIATOA					
Beggiatoa alba	1				
Deggiatoa aiba	1				
BEIJERINCKIA					
Beijerinckia derxii subsp. derxii	1				
Beijerinckia derxii subsp. venezuelae	1				
Beijerinckia fluminensis	1				
Beijerinckia indica subsp. indica	1				
Beijerinckia indica subsp. lacticogenes	1				
Beijerinckia mobilis	1				
BELLIELLA					
Belliella baltica	1				
BELLILINEA					
Bellilinea caldifistulae	1				
BELNAPIA					
Belnapia moabensis	1				
BENECKEA → VIBRIO					
Beneckea alginolytica = Vibrio alginolyticus		2			TA, ht
Beneckea campbellii → Vibrio campbellii					
Beneckea gazogenes → Vibrio gazogenes					
Beneckea harveyi → Vibrio harveyi					
Beneckea natriegens → Vibrio natriegens					
Beneckea nereida → Vibrio nereis					
Beneckea nigrapulchritudo → Vibrio nigripulchritudo					
Beneckea parahaemolytica = Vibrio parahaemolyticus		2			
Beneckea pelagia → Listonella pelagia		_			
Beneckea splendida → Vibrio splendidus					
Beneckea vulnifica → Vibrio vulnificus					
BERGERIELLA					
Bergeriella denitrificans (Neisseria denitrificans)	1				
BERGEYELLA					
Bergeyella zoohelcum (Weeksella zoohelcum)		2			Z
BEUTENBERGIA					
Beutenbergia cavernae	1				
2 catching an envertine	1				

BIBERSTEINIA Bibersteinia trehalosi (Pasteurella trehalosi) 2 t BIFIDOBACTERIUM Bifidobacterium andolescentis Bifidobacterium animalis → Bifidobacterium animalis Bifidobacterium animalis → Bifidobacterium animalis Bifidobacterium animalis subsp. animalis (Bifidobacterium laciis) Bifidobacterium animalis subsp. laciis (Bifidobacterium laciis) Bifidobacterium animalis subsp. laciis (Bifidobacterium laciis) Bifidobacterium bifidum Bifidobacterium bifidum Bifidobacterium caterulatum Bifidobacterium caterulatum Bifidobacterium conyneforme Bifidobacterium conyneforme Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium glilinarum Bifidobacterium glilinarum Bifidobacterium infantis → Bifidobacterium longum subsp. infantis Bifidobacterium infantis → Bifidobacterium longum subsp. lacits Bifidobacterium longum whysp. infantis (Bifidobacterium longum subsp. longum Bifidobacterium longum subsp. suis (Bifidobacterium longum subsp. longum Bifidobacterium pseudolongum subsp. suis (Bifidobacterium longum subsp. longum Bifidobacterium pseudolongum subsp. pseudolongum longum subsp. longum longum subsp. longum Bifidobacterium pseudolongum subsp. pseudolongum longum subsp. longum subsp. pseudolon	Genera		Risk g	group		Notes
BiFIDOBACTERIUM Bifidobacterium adolescentis Bifidobacterium angulatum Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium bifidum Bifidobacterium boum Bifidobacterium boum Bifidobacterium boum Bifidobacterium hore Bifidobacterium corportorme Bifidobacterium corportorme Bifidobacterium cuniculi Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium gallicum Bifidobacterium pidobosum Bifidobacterium pidobosum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium lactis → Bifidobacterium longum subsp. infantis Bifidobacterium longum subsp. infantis Bifidobacterium longum subsp. longum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium longum subsp. longum (Bifidobacterium longum subsp. longum Bifidobacterium nongum subsp. longum Bifidobacterium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium longum subsp. longum Bifidobacterium pseudocatenium pseudocatenium pseudocatenium pseudocatenium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium pseudocatenium pseudocatenium suis → Bifidobacterium seculare Bifidobacterium pseudocatenium seculare Bifidobacterium pseudocatenium suis → Bifidobac	Species	1	2	3	4	140168
BiFIDOBACTERIUM Bifidobacterium adolescentis Bifidobacterium angulatum Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium bifidum Bifidobacterium boum Bifidobacterium boum Bifidobacterium boum Bifidobacterium hore Bifidobacterium corportorme Bifidobacterium corportorme Bifidobacterium cuniculi Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium gallicum Bifidobacterium pidobosum Bifidobacterium pidobosum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium lactis → Bifidobacterium longum subsp. infantis Bifidobacterium longum subsp. infantis Bifidobacterium longum subsp. longum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium indicum Bifidobacterium longum subsp. longum (Bifidobacterium longum subsp. longum Bifidobacterium nongum subsp. longum Bifidobacterium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium longum subsp. longum Bifidobacterium pseudocatenium pseudocatenium pseudocatenium pseudocatenium pseudocatenium suis → Bifidobacterium suis → Bifidobacterium pseudocatenium pseudocatenium suis → Bifidobacterium seculare Bifidobacterium pseudocatenium seculare Bifidobacterium pseudocatenium suis → Bifidobac	DIDEDCTEINIA					
Bifidobacterium adolescentis Bifidobacterium animalis → Bifidobacterium animalis bifidobacterium animalis → Bifidobacterium animalis Bifidobacterium animalis subsp. animalis (Bifidobacterium animalis subsp. animalis (Bifidobacterium animalis subsp. animalis (Bifidobacterium animalis subsp. animalis (Bifidobacterium lactis) Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium atstroides Bifidobacterium batum steroides Bifidobacterium berw 1 Bifidobacterium brew 1 Bifidobacterium brew 1 Bifidobacterium coryaeforme 1 Bifidobacterium coryaeforme 1 Bifidobacterium coryaeforme 1 Bifidobacterium coryaeforme 2 Bifidobacterium coryaeforme 2 Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium gallicum 1 Bifidobacterium gallicum 1 Bifidobacterium gallicum 1 Bifidobacterium peaudolongum subsp. globosum 1 Bifidobacterium peaudolongum subsp. globosum 1 Bifidobacterium indicum 2 Bifidobacterium indicum 3 Bifidobacterium indicum 3 Bifidobacterium indicum 4 Bifidobacterium indicum 4 Bifidobacterium indicum 5 Bifidobacterium indicum 6 Bifidobacterium indicum 8 Bifidobacterium indicum 8 Bifidobacterium indicum 8 Bifidobacterium indicum 8 Bifidobacterium indicum → Scardovia inopinata 8 Bifidobacterium inogum subsp. globosum 8 Bifidobacterium longum subsp. longum subsp. longum 8 Bifidobacterium longum subsp. suis (Bifidobacterium longum) 1 Bifidobacterium longum subsp. suis (Bifidobacterium longum) 1 Bifidobacterium peaudolongum subsp. suis (Bifidobacterium longum) 1 Bifidobacterium peaudolongum subsp. populongum 2 Bifidobacterium peaudolongum subsp. populongum 3 Bifidobacterium peaudolongum subsp. populongum 3 Bifidobacterium seculorum peaudolongum subsp. populongum subsp. populongum subsp. populongum subsp. populongum subsp. populongum subsp.			2			t
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Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. animalis (Bifidobacterium animalis) Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis) Bifidobacterium sitemum sitemum sitemum subsp. lactis (Bifidobacterium lactis) Bifidobacterium bifidum Bifidobacterium bifidum Bifidobacterium bifidum Bifidobacterium breve 1						
Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis Bifidobacterium animalis subsp. latinialis (Bifidobacterium animalis) Bifidobacterium sinalis subsp. latinialis (Bifidobacterium lactis) Bifidobacterium sitemidium Bifidobacterium bicum Bifidobacterium bicum Bifidobacterium boum Bifidobacterium boum Bifidobacterium boum Bifidobacterium cotenulatum Bifidobacterium concentuatum Bifidobacterium concentum Bifidobacterium concentum Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium denticolens → Parascardovia denticolens Bifidobacterium gallicum Bifidobacterium gallicum Bifidobacterium gallicum Bifidobacterium globosum → Bifidobacterium globosum → Bifidobacterium silicum Bifidobacterium infantis → Bifidobacterium longum subsp. infantis Bifidobacterium infantis → Bifidobacterium longum subsp. latinis Bifidobacterium longum subsp. bifidobacterium longum subsp. longum Bifidobacterium longum subsp. longum (Bifidobacterium infantis) Bifidobacterium magnum Bifidobacterium pogum subsp. longum (Bifidobacterium pogum subsp. globosum (Bifidobacterium pseudolongum subsp. globosum (Bifidobacterium pseudolongum subsp. pseudolongum Bifidobacterium scardovii Bifidobacterium subrium Bifidobacterium pseudolongum subsp. p		1				+
Bifdobacterium animalis subsp. lactis (Bifdobacterium animalis) Bifdobacterium animalis subsp. lactis (Bifdobacterium lactis) Bifdobacterium steroides Bifdobacterium steroides Bifdobacterium berwe Bifdobacterium berwe 1	Bifidobacterium angulatum	1				
Bifdobacterium animalis subsp. lactis (Bifidobacterium lactis) 1 Bifidobacterium bifidum 1 Bifidobacterium bifidum 1 Bifidobacterium bifidum 1 Bifidobacterium catenulatum 1 Bifidobacterium catenulatum 1 Bifidobacterium contenum 1 Bifidobacterium contenum 1 Bifidobacterium denticolens → Parascardovia denticolens 2 Bifidobacterium denticolens → Parascardovia denticolens 2 Bifidobacterium gallicum 1 Bifidobacterium gallicum 1 Bifidobacterium gallicum 1 Bifidobacterium gelbosum 2 Bifidobacterium infantum 1 Bifidobacterium infantum → Scardovia inopinata 1 Bifidobacterium inopinatum → Scardovia inopinata 1 Bifidobacterium inongum subsp. globosum 1 Bifidobacterium inongum subsp. infantis (Bifidobacterium infantis) 1 Bifidobacterium longum subsp. infantis (Bifidobacterium infantis) 1 Bifidobacterium menjum subsp. infantis (Bifidobacterium suis) 1 Bifidobacterium menjum mum 1 Bifidobacterium menjum mum 1 <td>Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Bifidobacterium animalis → Bifidobacterium animalis subsp. animalis					
Bifdobacterium bifdum Bifdobacterium bifdum Bifdobacterium bore Bifdobacterium breve Bifdobacterium choerinum Bifdobacterium choerinum Bifdobacterium coryneforme Bifdobacterium coryneforme Bifdobacterium coryneforme Bifdobacterium coryneforme Bifdobacterium coryneforme Bifdobacterium dentium Bifdobacterium dentium Bifdobacterium gallicum Bifdobacterium gallicum Bifdobacterium gallicum Bifdobacterium gallicum Bifdobacterium gellosum Bifdobacterium gallicum Bifdobacterium infantis Bifdobacterium infantis Bifdobacterium infantis Bifdobacterium infantis Bifdobacterium lacits → Bifdobacterium longum subsp. lactis Bifdobacterium longum → Bifdobacterium infantis Bifdobacterium longum subsp. infantis (Bifdobacterium infantis) Bifdobacterium longum subsp. longum (Bifdobacterium infantis) Bifdobacterium longum subsp. suis (Bifdobacterium infantis) Bifdobacterium merycium Bifdobacterium merycium Bifdobacterium peudolongum subsp. globosum (Bifdobacterium peudolongum subsp. pseudolongum Bifdobacterium peudolongum subsp. pseudolongum Bifdobacterium pseudolongum subsp. pseudolongum Bifdobacterium seardovii Bifdobacterium seardovii Bifdobacterium seardovii Bifdobacterium thermacjophilum subsp. pseudolongum subsp. suis	Bifidobacterium animalis subsp. animalis (Bifidobacterium animalis)	1				
Bifidobacterium bifidum 1 Bifidobacterium bown 1 Bifidobacterium breve 1 Bifidobacterium catenulatum 1 Bifidobacterium coryneforme 1 Bifidobacterium coryneforme 1 Bifidobacterium coniculi 1 Bifidobacterium denticolens → Parascardovia denticolens 2 Bifidobacterium gallicum 1 Bifidobacterium pseudolongum subsp. globosum 1 Bifidobacterium indicum 1 Bifidobacterium longum subsp. siffadobacterium suis 1 Bifidobacterium longum subsp. siffadobacterium suis 1 Bifidobacterium magnum 1 Bifidobacterium pseudolongum subsp. globosum 1 Bifidobacterium pseudolongum subsp. globosum 1	Bifidobacterium animalis subsp. lactis (Bifidobacterium lactis)	1				
Bifidobacterium boum Bifidobacterium reve 1	Bifidobacterium asteroides	1				
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Bifidobacterium pullorum Bifidobacterium ruminantium 1 Bifidobacterium saeculare 1 Bifidobacterium scardovii 1 Bifidobacterium subtile 1 Bifidobacterium subtile 1 Bifidobacterium subsp. Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1		_				
Bifidobacterium ruminantium Bifidobacterium saeculare 1 Bifidobacterium scardovii 1 Bifidobacterium subtile 1 Bifidobacterium subtile 1 Bifidobacterium suis → Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1		_				
Bifidobacterium saeculare Bifidobacterium scardovii Bifidobacterium subtile Bifidobacterium suis → Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1	±	_				
Bifidobacterium scardovii 1 + Bifidobacterium subtile 1 Bifidobacterium suis → Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermophilum 1						
Bifidobacterium subtile 1 Bifidobacterium suis → Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermophilum 1		_				
Bifidobacterium suis → Bifidobacterium longum subsp. suis Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermophilum 1						+
Bifidobacterium thermacidophilum subsp. porcinum 1 Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermophilum 1		1				
Bifidobacterium thermacidophilum subsp. thermacidophilum 1 Bifidobacterium thermophilum 1		4				
Bifidobacterium thermophilum 1						
	* * *					
Bifidobacterium tsurumiense 1	Bifidobacterium tsurumiense	1				

BILOPHILA

Genera		Risk	group		NT /
Species	1	2	3	4	Notes
Bilophila wadsworthia		2			ht
BIZIONIA					
Bizionia algoritergicola	1				
Bizionia gelidisalsuginis	1				
Bizionia myxarmorum	1				
Bizionia paragorgiae	1				
Bizionia saleffrena	1				
BLASTOBACTER					
Blastobacter aggregatus	1				
Blastobacter capsulatus	1				
Blastobacter denitrificans	1				
Blastobacter henricii	1				
Blastobacter natatorius → Blastomonas natatoria					
BLASTOCHLORIS					
Blastochloris sulfoviridis (Rhodopseudomonas sulfoviridis)	1				
Blastochloris viridis (Rhodopseudomonas viridis)	1				
BLASTOCOCCUS					
Blastococcus aggregatus	1				
Blastococcus jejuensis	1				
Blastococcus saxobsidens	1				
BLASTOMONAS					
Blastomonas natatoria					
(Blastobacter natatorius, Sphingomonas natatoria)	1				
Blastomonas ursincola					
(Erythromonas ursincola, Sphingomonas ursincola) – synonym:					
Sphingomonas ursincola					
BLASTOPIRELLULA					
Blastopirellula marina (Pirellula marina, Pirella marina)	1				
BLATTABACTERIUM					
Blattabacterium cuenoti	1				
BOGORIELLA					
Bogoriella caseilytica	1				
BORDETELLA					
Bordetella avium		2			t
Bordetella bronchiseptica		2			ht
Bordetella hinzii		2			ht
Bordetella holmesii		2			
Bordetella parapertussis		2			ht
Bordetella pertussis		2			\mathbf{V}
Bordetella petrii	1				+
Bordetella trematum		2			
BORRELIA					
Borrelia afzelii		2			Z
Borrelia anserina		2			t

Genera		Risk	group		NT-4
Species	1	2	3	4	Notes
Borrelia baltazardii		2			Z
Borrelia brasiliensis		2			t
Borrelia burgdorferi		2			Z
Borrelia caucasica		2			Z
Borrelia coriaceae		2			t
Borrelia crocidurae		2			Z
Borrelia dugesii		2			t
Borrelia duttonii		2			Z
Borrelia garinii		2			\mathbf{Z}
Borrelia graingeri		2			\mathbf{Z}
Borrelia harveyi		2			t
Borrelia hermsii		2			Z
Borrelia hispanica		2			Z
Borrelia japonica	1				+, Z
Borrelia latyschewii		2			Z
Borrelia lusitaniae	1				+, Z
Borrelia mazzottii		2			Z
Borrelia parkeri		2			Z
Borrelia persica		2			Z
Borrelia recurrentis		2			
Borrelia spielmanii		2			Z
Borrelia theileri		2			t
Borrelia tillae		2			t
Borrelia turcica	1				
Borrelia turicatae		2			Z
Borrelia valaisiana		2			Z
Borrelia venezuelensis		2			Z
BOSEA					
Bosea eneae	1				
Bosea massiliensis	1				
Bosea minatitlanensis	1				
Bosea thiooxidans	1				
Bosea vestrisii	1				
BOWMANELLA					
Bowmanella denitrificans	1				
BRACHYBACTERIUM					
Brachybacterium alimentarium	1				
Brachybacterium conglomeratum	1				
Brachybacterium faecium	1				
Brachybacterium fresconis	1				
Brachybacterium muris	1				
Brachybacterium nesterenkovii	1				
Brachybacterium paraconglomeratum	1				
Brachybacterium phenoliresistens	1				
Brachybacterium rhamnosum	1				
Brachybacterium sacelli	1				
Brachybacterium tyrofermentans	1				
Brachybacterium zhongshanense	1				

BRACHYMONAS

Genera		Risk	group		NT-4
Species	1	2	3	4	Notes
Brachymonas denitrificans	1				
BRACHYSPIRA (SERPULINA)					
Brachyspira aalborgi		2			ht
Brachyspira alvinipulli		2			t
Brachyspira hyodysenteriae					
(Treponema hyodysenteriae, Serpula hyodysenteriae,					
Serpulina hyodysenteriae)		2			t
Brachyspira innocens					
(Treponema innocens, Serpula innocens, Serpulina innocens)		2			t
Brachyspira intermedia (Serpulina intermedia)		2			t
Brachyspira murdochii (Serpulina murdochii)		2			t
Brachyspira pilosicoli (Serpulina pilosicoli)		2			ht
BRACKIELLA					
Brackiella oedipodis		2			t
BRADYRHIZOBIUM					
Bradyrhizobium betae	1				
Bradyrhizobium canariense	1				
Bradyrhizobium elkanii	1				
Bradyrhizobium japonicum (Rhizobium japonicum)	1				
Bradyrhizobium liaoningense	1				
Bradyrhizobium yuanmingense	1				
$\mathbf{BRANHAMELLA} \to \mathbf{MORAXELLA}$					
BRENNERIA					
Brenneria alni (Erwinia alni)	1				p
Brenneria nigrifluens (Erwinia nigrifluens)	1				p
Brenneria paradisiaca → Dickeya paradisiaca					
Brenneria quercina (Erwinia quercina)	1				p
Brenneria rubrifaciens (Erwinia rubrifaciens)	1				p
Brenneria salicis (Erwinia salicis)	1				p
BREVIBACILLUS					
Brevibacillus agri (Bacillus agri)	1				+
Brevibacillus borstelensis (Bacillus borstelensis)	1				
Brevibacillus brevis (Bacillus brevis)	1				+
Brevibacillus centrosporus (Bacillus centrosporus)	1				+
Brevibacillus choshinensis (Bacillus choshinensis)	1				
Brevibacillus formosus (Bacillus formosus)	1				
Brevibacillus ginsengisoli	1				
Brevibacillus invocatus	1				
Brevibacillus laterosporus (Bacillus laterosporus)	1				+
	1				
Brevibacillus levickii	1				
Brevibacillus levickii	1				
Brevibacillus levickii Brevibacillus limnophilus					+
Brevibacillus levickii	1				+

BREVIBACTERIUM

Brevibacterium acetylicum \rightarrow Exiguobacterium acetylicum

Genera		Rick	group		
Species	1	2	3	4	Notes
Brevibacterium albidum = Curtobacterium albidum	1		<u> </u>		
Brevibacterium ammoniagenes → Corynebacterium ammoniagenes	1				
Brevibacterium antiquum	1				
Brevibacterium aurantiacum	1				
Brevibacterium avium	1	2			t
Brevibacterium casei	1	4			+
Brevibacterium casci	1				'
Brevibacterium citreum = Curtobacterium citreum	1				
Brevibacterium divaricatum – synonym: Corynebacterium glutamicum	1				
Brevibacterium epidermidis	1				+
Brevibacterium fermentans – synonym: Cellulomonas cellulans	-				
→ Cellulosimicrobium cellulans					
"Brevibacterium flavum" – synonym: Corynebacterium glutamicum					
Brevibacterium frigoritolerans	1				
Brevibacterium halotolerans	1				
Brevibacterium imperiale → Microbacterium imperiale					
Brevibacterium incertum → Desemzia incerta					
Brevibacterium indinum	1				
"Brevibacterium lactofermentum" – synonym:	1				
Corynebacterium glutamicum					
Brevibacterium linens	1				
Brevibacterium liquefaciens – synonym: Arthrobacter nicotianae					
Brevibacterium luteolum	1				+
Brevibacterium luteum = Curtobacterium luteum	1				
Brevibacterium lyticum – synonym: Cellulomonas cellulans					
→ Cellulosimicrobium cellulans					
Brevibacterium marinum	1				
Brevibacterium mcbrellneri		2			
Brevibacterium oceani	1				
Brevibacterium otitidis	1				+
Brevibacterium oxydans → Microbacterium oxydans					
Brevibacterium paucivorans		2			
Brevibacterium permense	1				
Brevibacterium picturae	1				
Brevibacterium protophormiae → Arthrobacter protophormiae					
Brevibacterium pusillum = Curtobacterium pusillum	1				
Brevibacterium samyangense	1				
Brevibacterium sanguinis		2			
Brevibacterium saperdae → Microbacterium saperdae					
Brevibacterium stationis	1				
Brevibacterium testaceum → Microbacterium testaceum					
Brevibacterium vitarumen → Corynebacterium vitaeruminis					
Dievibacterium vitarumen / Gorynebacterium vitaeruminis					
BREVINEMA					
Brevinema andersonii		2			t
BREVUNDIMONAS					
Brevundimonas alba ("Caulobacter subvibrioides subsp. albus")	1				
Brevundimonas aurantiaca ("Caulobacter henricii subsp. aurantiacus")	1				
Brevundimonas aveniformis	1				
Brevundimonas bacteroides (Caulobacter bacteroides)	1	_			
Brevundimonas diminuta (Pseudomonas diminuta)		2			

Genera	Risk group				Notes
Species	1	2	3	4	110165
Brevundimonas intermedia (Caulobacter intermedius)	1				
Brevundimonas kwangchunensis	1				
Brevundimonas lenta	1				
Brevundimonas mediterranea	1				
Brevundimonas nasdae	1				
Brevundimonas subvibrioides (Caulobacter subvibrioides)	1				
Brevundimonas terrae	1				
Brevundimonas variabilis (Caulobacter variabilis)	1				
Brevundimonas vesicularis (Pseudomonas vesicularis)	1				+
BROCHOTHRIX					
Brochothrix campestris	1				
Brochothrix thermosphacta	1				
BROOKLAWNIA					
Brooklawnia cerclae	1				
BRUCELLA					
Brucella abortus – synonym: Brucella melitensis					
Brucella canis – synonym: Brucella melitensis					
Brucella ceti		2			Z
Brucella melitensis			3		$\overline{\mathbf{z}}$
Brucella microti		2	Ü		Z
Brucella neotomae – synonym: Brucella melitensis		_			
Brucella ovis – synonym: Brucella melitensis					
Brucella pinnipedialis		2			Z
Brucella suis – synonym: Brucella melitensis		2			2
BRUMIMICROBIUM					
Brumimicrobium glaciale	1				
$BRYANTELLA \rightarrow MARVINBRYANTIA$					
Bryantella formatexigens → Marvinbryantia formatexigens					
BUCHNERA					
Buchnera aphidicola	1				
BUDVICIA					
Budvicia aquatica	1				
BULLEIDIA					
Bulleidia extructa		2			
BURKHOLDERIA					
Burkholderia ambifaria		2			
Burkholderia andropogonis (Pseudomonas andropogonis)	1				p
Burkholderia anthina	1				+
Burkholderia arboris		2			
D.,	1				
burknoideria bryopniia					
· ·	1				
Burkholderia caledonica	1 1				
Burkholderia bryophila Burkholderia caledonica Burkholderia caribensis Burkholderia caryophylli (Pseudomonas caryophylli)					p2

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Burkholderia cepacia (Pseudomonas cepacia)		2			ht, p, TA
Burkholderia cocovenenans – synonym: Burkholderia gladioli					-
Burkholderia diffusa		2			
Burkholderia dolosa		2			
Burkholderia endofungorum	1				T
Burkholderia ferrariae	1				
Burkholderia fungorum	1				+
Burkholderia ginsengisoli	1				
Burkholderia gladioli (Pseudomonas gladioli)		2			р
Burkholderia glathei (Pseudomonas glathei)	1				1
Burkholderia glumae (Pseudomonas glumae)	1				р
Burkholderia graminis	1				1
Burkholderia hospita	1				
Burkholderia kururiensis	1				
Burkholderia latens		2			
Burkholderia mallei (Pseudomonas mallei)		_	3		Z
Burkholderia megapolitana	1		J		L
Burkholderia metallica	1	2			
Burkholderia mimosarum	1	2			
Burkholderia multivorans	1	2			
Burkholderia nodosa	1	4			
Burkholderia norimbergensis → Pandoraea norimbergensis	1				
Burkholderia oklahomensis		2			
	1	2			
Burkholderia phenazinium (Pseudomonas phenazinium)	1 1				
Burkholderia phenoliruptrix					
Burkholderia phymatum	1 1				
Burkholderia phytofirmans	1				
Burkholderia pickettii → Ralstonia pickettii	4				
Burkholderia plantarii (Pseudomonas plantarii)	1		•		p
Burkholderia pseudomallei (Pseudomonas pseudomallei)			3		ht
Burkholderia pyrrocinia (Pseudomonas pyrrocinia)	1				m
Burkholderia rhizoxinica	1				Т
Burkholderia sacchari	1				
Burkholderia sartisoli	1				
Burkholderia sediminicola	1				
Burkholderia seminalis		2			
Burkholderia silvatlantica	1				
Burkholderia solanacearum → Ralstonia solanacearum					
Burkholderia soli	1				
Burkholderia sordidicola	1				
Burkholderia stabilis		2			
Burkholderia terrae	1				
Burkholderia terricola	1				
Burkholderia thailandensis	1				+
Burkholderia tropica	1				
Burkholderia tuberum	1				
Burkholderia ubonensis	1				+
Burkholderia unamae	1				
Burkholderia vandii – synonym: Burkholderia plantarii					
Burkholderia vietnamiensis		2			
Burkholderia xenovorans	1				

Genera		Risk	group		
Species	1	2	3	4	Notes
BUTTIAUXELLA	<u> </u>				
Buttiauxella agrestis	1				
Buttiauxella brennerae	1				
Buttiauxella ferragutiae	1				
Buttiauxella gaviniae	1				
Buttiauxella izardii	1				
Buttiauxella noackiae	1				+
Buttiauxella warmboldiae	1				
BUTYRIVIBRIO					
Butyrivibrio crossotus	1				
Butyrivibrio fibrisolvens	1				
Butyrivibrio hungatei	1				
BYSSOVORAX					
Byssovorax cruenta	1				
CAEDIBACTER					
Caedibacter caryophilus	1				n
Caedibacter paraconjugatus	1				n
Caedibacter pseudomutans	1				n
Caedibacter taeniospiralis	1				n
Caedibacter varicaedens	1				n
CAENIBACTERIUM – synonym: SCHLEGELELLA					
Caenibacterium thermophilum – synonym: Schlegelella thermodepolymerans					
CAENIMONAS					
Caenimonas koreensis	1				
CAENISPIRILLUM					
Caenispirillum bisanense	1				
CALDALKALIBACILLUS					
Caldalkalibacillus thermarum	1				
Caldalkalibacillus uzonenis	1				
CALDANAEROBACTER					
Caldanaerobacter subterraneus subsp. pacificus (Carboxydibrachium pacificum)	1				
Caldanaerobacter subterraneus subsp. subterraneus	•				
(Thermoanaerobacter subterraneus)	1				
Caldanaerobacter subterraneus subsp. tengcongensis (Thermoanaerobacter tengcongensis)	1				
Caldanaerobacter subterraneus subsp. yonseiensis	1				
(Thermoanaerobacter yonseiensis)	1				
CALDANAEROBIUS					
Caldanaerobius fijiensis	1				
Caldanaerobius polysaccharolyticus					
(Thermoanaerobacterium polysaccharolyticum)	1				
Caldanaerobius zeae (Thermoanaerobacterium zeae)	1				

Genera		Risk group		
Species	1	2 3	4	Notes
CALDEROBACTERIUM → HYDROGENOBACTER			•	
Calderobacterium hydrogenophilum				
→ Hydrogenobacter hydrogenophilus				
CALDICELLULOSIRUPTOR				
Caldicellulosiruptor acetigenus (Thermoanaerobium acetigenum)	1			
Caldicellulosiruptor hydrothermalis	1			
Caldicellulosiruptor kristjanssonii	1			
Caldicellulosiruptor kronotskyensis	1			
Caldicellulosiruptor lactoaceticus	1			
Caldicellulosiruptor owensensis	1			
Caldicellulosiruptor saccharolyticus	1			
CALDILINEA				
Caldilinea aerophila	1			
CALDINOVAG				
CALDIMONAS	1			
Caldimonas manganoxidans	1			
Caldimonas taiwanensis	1			
CALDISPHAERA				
Caldisphaera lagunensis	1			
CALDITERRIVIBRIO				
Calditerrivibrio nitroreducens	1			
CALDITHRIX				
Caldithrix abyssi	1			
CAL DIVIDICA				
CALDIVIRGA	1			
Caldivirga maquilingensis	1			
CALORAMATOR				
Caloramator coolhaasii	1			
Caloramator fervidus (Clostridium fervidum)	1			
Caloramator indicus	1			
Caloramator proteoclasticus	1			
Caloramator viterbiensis	1			
CALORANAEROBACTER				
Caloranaerobacter azorensis	1			
CALYMMATOBACTERIUM → KLEBSIELLA				
Calymmatobacterium granulomatis → Klebsiella granulomatis				
CAMINIBACTER				
Caminibacter hydrogeniphilus	1			
Caminibacter mediatlanticus	1			
Caminibacter profundus	1			
CAMINICELLA				
Caminicella sporogenes	1			
	•			

Genera		Risk	group		.
Species	1	2	3	4	Notes
CAMPYLOBACTER		<u></u>			
Campylobacter butzleri → Arcobacter butzleri					
Campylobacter canadensis	1				
Campylobacter cinaedi → Helicobacter cinaedi					
Campylobacter coli		2			Z
Campylobacter concisus		2			
Campylobacter cryaerophilus → Arcobacter cryaerophilus					
Campylobacter curvus (Wolinella curva)		2			
Campylobacter fennelliae → Helicobacter fennelliae					
Campylobacter fetus subsp. fetus		2			Z
Campylobacter fetus subsp. venerealis		2			t
Campylobacter gracilis (Bacteroides gracilis)		2			
Campylobacter helveticus		2			t
Campylobacter hominis	1				
Campylobacter hyoilei – synonym: Campylobacter coli					
Campylobacter hyointestinalis subsp. hyointestinalis		2			Z
Campylobacter hyointestinalis subsp. lawsonii	1				
Campylobacter insulaenigrae	1				
Campylobacter jejuni subsp. doylei		2			
Campylobacter jejuni subsp. jejuni		2			Z
Campylobacter lanienae	1				+
Campylobacter lari		2			Z
Campylobacter mucosalis (Campylobacter sputorum subsp. mucosalis)		2			t
Campylobacter mustelae → Helicobacter mustelae					
Campylobacter nitrofigilis → Arcobacter nitrofigilis					
Campylobacter pylori → Helicobacter pylori					
Campylobacter pylori subsp. mustelae → Helicobacter mustelae					
Campylobacter pylori subsp. pylori → Helicobacter pylori					
Campylobacter rectus (Wolinella recta)		2			Z
Campylobacter showae	1				+
Campylobacter sputorum subsp. bubulus		2			t
Campylobacter sputorum subsp. mucosalis → Campylobacter mucosalis					
Campylobacter sputorum subsp. sputorum		2			
Campylobacter upsaliensis		2			Z
CAPNOCYTOPHAGA		_			
Capnocytophaga canimorsus		2			ht
Capnocytophaga cynodegmi		2			ht
Capnocytophaga gingivalis		2			
Capnocytophaga granulosa		2			
Capacity to phaga has a least better:	1	2			1
Capnocytophaga leadbetteri	1	2			+
Capnocytophaga ochracea (Bacteroides ochraceus)		2			
Capnocytophaga sputigena		2			
$CAPSULARIS \rightarrow PREVOTELLA$					
Capsularis zoogleiformans → Prevotella zoogleoformans					
CARBOPHILUS					
Carbophilus carboxidus	1				
Silva Primate carporation					

Species 1 2 CARBOXYDIBRACHIUM → CALDANAEROBACTER Carboxydibrachium pacificum → Caldanaerobacter subterraneus subsp. pacificus CARBOXYDOCELLA Carboxydocella sporoproducens 1 Carboxydocella thermautotrophica 1 Carboxydothermus ferrireducens (Thermoterrabacterium ferrireducens) 1 Carboxydothermus hydrogenoformans 1 CARDIOBACTERIUM 2 Cardiobacterium hominis 2 Cardiobacterium valvarum 2 CARNIMONAS 3 Carnimonas nigrificans 1 CARNOBACTERIUM 1 Carnobacterium alterfunditum 1 Carnobacterium funditum 1 Carnobacterium funditum 1 Carnobacterium molibens 1 Carnobacterium molibens 1 Carnobacterium mobile 1 Carnobacterium plesicoal – synonym: Carnobacterium maltaromaticum 2 Carnobacterium pleistocenium 1 Carnobacterium viridans 1 Carnobacterium viridans 1	3 4	Notes
Carboxydibrachium pacificum → Caldanaerobacter subterraneus subsp. pacificus CARBOXYDOCELLA Carboxydocella sporoproducens 1 Carboxydocella thermautotrophica 1 CARBOXYDOTHERMUS Carboxydothermus ferrireducens (Thermoterrabacterium ferrireducens) 1 Carboxydothermus hydrogenoformans 1 CARDIOBACTERIUM Cardiobacterium hominis 2 Cardiobacterium valvarum 2 CARNIMONAS Carnimonas nigrificans 1 CARNOBACTERIUM Carnobacterium divergens (Lactobacillus divergens) 1 Carnobacterium divergens (Lactobacillus divergens) 1 Carnobacterium funditum 1 Carnobacterium gallinarum 1 Carnobacterium maltaromaticum (Lactobacillus maltaromicus) (umfasst Carnobacterium piscicola — synonym: Carnobacterium maltaromaticum (Carnobacterium piscicola — synonym: Carnobacterium maltaromaticum (Carnobacterium piscicola — synonym: Carnobacterium maltaromaticum (Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1 Caryophanon tenue 1		
Carboxydibrachium pacificum → Caldanaerobacter subterraneus subsp. pacificus CARBOXYDOCELLA Carboxydocella sporoproducens 1 Carboxydocella thermautotrophica 1 CARBOXYDOTHERMUS Carboxydothermus ferrireducens (Thermoterrabacterium ferrireducens) 1 Carboxydothermus hydrogenoformans 1 CARDIOBACTERIUM Cardiobacterium hominis 2 Cardiobacterium valvarum 2 CARNIMONAS Carnimonas nigrificans 1 CARNOBACTERIUM Carnobacterium divergens (Lactobacillus divergens) 1 Carnobacterium divergens (Lactobacillus divergens) 1 Carnobacterium funditum 1 Carnobacterium gallinarum 1 Carnobacterium mihibens 1 Carnobacterium maltaromaticum (Lactobacillus maltaromicus) (umfasst Carnobacterium piscicola — synonym: Carnobacterium maltaromaticum Carnobacterium pieistocenium 1 Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		
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Carnobacterium maltaromaticum (Lactobacillus maltaromicus) (umfasst Carnobacterium piscicola) 2 Carnobacterium mobile 1 Carnobacterium piscicola – synonym: Carnobacterium maltaromaticum Carnobacterium pleistocenium 1 Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		
(umfasst Carnobacterium piscicola)2Carnobacterium mobile1Carnobacterium piscicola – synonym: Carnobacterium maltaromaticumCarnobacterium pleistocenium1Carnobacterium viridans1CARYOPHANONCaryophanon latum1Caryophanon tenue1		
Carnobacterium piscicola – synonym: Carnobacterium maltaromaticum Carnobacterium pleistocenium 1 Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		t
Carnobacterium pleistocenium 1 Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		
Carnobacterium viridans 1 CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		
CARYOPHANON Caryophanon latum 1 Caryophanon tenue 1		
Caryophanon latum 1 Caryophanon tenue 1		
Caryophanon tenue 1		
CASEOBACTER → CORYNEBACTERIUM		
Caseobacter polymorphus – synonym: Corynebacterium variabile		
CASTELLANIELLA		
Castellaniella defragrans (Alcaligenes defragrans)		
Castellaniella denitrificans 1		
CATELLATOSPORA		
Catellatospora bangladeshensis 1		
Catellatospora chokoriensis 1		
Catellatospora citrea (Catellatospora citrea subsp. citrea) 1		
Catellatospora citrea subsp. citrea → Catellatospora citrea		
Catellatospora citrea subsp. methionotrophica		
→ Catellatospora methionotrophica		
Catellatospora coxensis 1		
Catellatospora ferruginea → Asanoa ferruginea		

Genera		Risk	group		Notes
Species	1	2	3	4	inotes
Catellatospora koreensis	1				
Catellatospora matsumotoense → Micromonospora matsumotoense					
Catellatospora methionotrophica					
(Catellatospora citrea subsp. methionotrophica)	1				
Catellatospora tsunoense	1				
CATELLIBACTERIUM					
Catellibacterium nectariphilum	1				
Catembacterium nectaripimum	1				
CATELLICOCCUS					
Catellicoccus marimammalium	1				t+
CATENIBACTERIUM					
Catenibacterium mitsuokai	1				
Saternoueterrain integration	•				
CATENOCOCCUS					
Catenococcus thiocycli	1				
CATENULISPORA					
Catenulispora acidiphila	1				
Catenulispora rubra	1				
Catenulispora subtropica	1				
Catenulispora yoronensis	1				
Catenunspora yoronensis	1				
CATENULOPLANES					
Catenuloplanes atrovinosus	1				
Catenuloplanes castaneus	1				
Catenuloplanes crispus (Planopolyspora crispa)	1				
Catenuloplanes indicus	1				
Catenuloplanes japonicus	1				
Catenuloplanes nepalensis	1				
Catenuloplanes niger	1				
CATONELLA					
Catonella morbi		2			
CAULOBACTER					
Caulobacter bacteroides → Brevundimonas bacteroides					
Caulobacter crescentus – synonym: Caulobacter vibrioides					
Caulobacter fusiformis	1				
Caulobacter halobacteroides – synonym: Maricaulis maris					
Caulobacter henricii	1				
"Caulobacter henricii subsp. aurantiacus" \rightarrow Brevundimonas aurantiaca					
Caulobacter intermedius → Brevundimonas intermedia					
Caulobacter leidyi	1				
Caulobacter maris → Maricaulis maris					
Caulobacter segnis (Mycoplana segnis)	1				
Caulobacter subvibrioides → Brevundimonas subvibrioides					
"Caulobacter subvibrioides subsp. albus" → Brevundimonas alba					
Caulobacter variabilis → Brevundimonas variabilis	4				
Caulobacter vibrioides	1				

Genera		Risk g	rroun		
Species	1	2	3	4	Notes
CEDECEA	1				
Cedecea davisae		2			
Cedecea lapagei		2			
Cedecea neteri		2			
CELLULOMONAS					
Cellulomonas biazotea	1				
Cellulomonas bogoriensis	1				
Cellulomonas cartae – synonym: Cellulosimicrobium cellulans					
Cellulomonas cellasea	1				
Cellulomonas cellulans → Cellulosimicrobium cellulans					
Cellulomonas composti	1				
Cellulomonas denverensis	1				+
Cellulomonas fermentans → Actinotalea fermentans					
Cellulomonas fimi	1				
Cellulomonas flavigena	1				
Cellulomonas gelida	1				
Cellulomonas hominis	1				+
Cellulomonas humilata (Actinomyces humiferus)	1				
Cellulomonas iranensis	1				
Cellulomonas persica	1				
Cellulomonas terrae Cellulomonas uda	1 1				
	1				
Cellulomonas xylanilytica	1				
CELLULOPHAGA					
Cellulophaga algicola	1				
Cellulophaga baltica	1				
Cellulophaga fucicola	1				
Cellulophaga lytica (Cytophaga lytica)	1				
Cellulophaga pacifica	1				
Cellulophaga uliginosa → Zobellia uliginosa					
CELLULOSIMICROBIUM					
Cellulosimicrobium cellulans	1				1
(Nocardia cellulans, Cellulomonas cellulans) Cellulosimicrobium funkei	1				ht+ +
Cellulosimicrobium terreum	1				T
	1				
Cellulosimicrobium variabile → Isoptericola variabilis					
CELLVIBRIO					
Cellvibrio fibrivorans	1				
Cellvibrio fulvus	1				
Cellvibrio gandavensis	1				
Cellvibrio japonicus	1				
Cellvibrio mixtus subsp. dextranolyticus	1				
Cellvibrio mixtus subsp. mixtus	1				
Cellvibrio ostraviensis	1				
Cellvibrio vulgaris	1				
CENTRADED A					
CENTIPEDA		2			
Centipeda periodontii		2			

Genera		Risk	group		.
Species	1	2	3	4	Notes
CERASIBACILLUS					
Cerasibacillus quisquiliarum	1				
CERASICOCCUS					
Cerasicoccus arenae	1				
CETODACTEDIUM					
CETOBACTERIUM Cetobacterium ceti		2			t
Cetobacterium somerae	1	2			·
CHAINIA → STREPTOMYCES					
Chainia antibiotica – synonym: Streptomyces sclerotialus					
Chainia flava – synonym: Streptomyces minutiscleroticus					
Chainia fumigata – synonym: Streptomyces fumigatiscleroticus					
Chainia kunmingensis → Streptomyces kunmingensis					
Chainia minutisclerotica – synonym: Streptomyces minutiscleroticus					
Chainia nigra → Streptomyces niger					
Chainia ochracea – synonym: Streptomyces ochraceiscleroticus					
Chainia olivacea – synonym: Streptomyces olivaceiscleroticus					
Chainia poonensis – synonym: Streptomyces poonensis Chainia purpurogena – synonym: Streptomyces purpurogeneiscleroticus					
Chainia rosea – synonym: Streptomyces roseiscleroticus Chainia rosea – synonym: Streptomyces roseiscleroticus					
Chainia rubra → Streptomyces ruber					
· · ·					
Chainia violens → Streptomyces violens					
CHELATOBACTER – synonym: AMINOBACTER					
Chelatobacter heintzii – synonym: Aminobacter aminovorans					
CHELATOCOCCUS					
Chelatococcus asaccharovorans	1				
Greinto e o e da contra o vortino	1				
CHIMAEREICELLA → ALGORIPHAGUS					
Chimaereicella alkaliphila → Algoriphagus alkaliphilus					
Chimaereicella boritolerans \rightarrow Algoriphagus boritolerans					
CHITINIBACTER					
Chitinibacter tainanensis	1				
Simulation and the second seco	1				
CHITINILYTICUM					
Chitinilyticum aquatile	1				
CHITINIMONAS					
Chitinimonas koreensis	1				
Chitinimonas taiwanensis	1				
CHITINOPHAGA					
Chitinophaga arvensicola (Cytophaga arvensicola)	1				
Chitinophaga filiformis (Flexibacter filiformis)	1				
Chitinophaga ginsengisegetis	1				
Chitinophaga ginsengisoli Chitinophaga incongraia (Floribacter incongraia)	1				
Chitinophaga japonensis (Flexibacter japonensis) Chitinophaga pinensis	1 1				
Chumophaga phicholo	1				

Genera		Risk	group		
Species	1	2	3	4	Notes
Chitinophaga sancti (Flexibacter sancti)	1				
Chitinophaga skermanii	1				
Chitinophaga terrae	1				
CHLAMYDIA					
Chlamydia muridarum		2			t
Chlamydia pecorum → Chlamydophila pecorum					
Chlamydia pneumoniae → Chlamydophila pneumoniae					
Chlamydia psittaci → Chlamydophila psittaci					
Chlamydia suis		2			t
Chlamydia trachomatis		2			
CHLAMYDOPHILA					
Chlamydophila abortus		2			Z
Chlamydophila caviae		2			t
Chlamydophila felis		2			Z
Chlamydophila pecorum (Chlamydia pecorum)		2			t
Chlamydophila pneumoniae (Chlamydia pneumoniae)		2			ht
Chlamydophila psittaci (Chlamydia psittaci) ^a			3		Z
CHLOROBACULUM					
"Chlorobaculum chlorovibrioides"					
(Chlorobacterium chlorovibrioides, Chlorobium chlorovibrioides)	1				
Chlorobaculum limnaeum	1				
Chlorobaculum parvum	1				
Chlorobaculum tepidum (Chlorobium tepidum)	1				
Chlorobaculum thiosulfatiphilum	1				
CHLOROBIUM					
Chlorobium chlorovibrioides \rightarrow "Chlorobaculum chlorovibrioides"					
Chlorobium clathratiforme					
(Pelodictyon clathratiforme, Pelodictyon phaeoclathratiforme)	1				
Chlorobium limicola	1				
Chlorobium luteolum (Pelodictyon luteolum)	1				
Chlorobium phaeobacteroides	1				
Chlorobium phaeovibrioides	1				
Chlorobium tepidum → Chlorobaculum tepidum					
Chlorobium vibrioforme \rightarrow Prosthecochloris vibrioformis					
CHLOROFLEXUS					
Chloroflexus aggregans	1				
Chloroflexus aurantiacus	1				
CHLOROHERPETON					
Chloroherpeton thalassium	1				
CHLORONEMA					
Chloronema giganteum	1				

CHONDROMYCES

^a The species comprises less virulent strains which differ in their primary host range (e.g. strains of non-avian origin) and which may be treated as risk group 2 organisms or may be classified into risk group 2.

Genera	ra Risk group		group		NT-4-
Species	1	2	3	4	Notes
Chondromyces apiculatus	1				
Chondromyces catenulatus	1				
Chondromyces crocatus	1				
Chondromyces lanuginosus	1				
Chondromyces pediculatus	1				
Chondromyces robustus	1				
CHROMATIUM					
Chromatium buderi → Isochromatium buderi					
Chromatium glycolicum → Halochromatium glycolicum					
Chromatium gracile → Marichromatium gracile					
Chromatium minus → Thiocystis minor					
Chromatium minutissimum → Allochromatium minutissimum					
Chromatium okenii	1				
Chromatium purpuratum → Marichromatium purpuratum	1				
* *					
Chromatium salexigens → Halochromatium salexigens					
Chromatium tepidum → Thermochromatium tepidum					
Chromatium vinosum → Allochromatium vinosum					
Chromatium violascens → Thiocystis violascens					
Chromatium warmingii → Allochromatium warmingii					
Chromatium weissei	1				
CHROMOBACTERIUM					
Chromobacterium aquaticum	1				
Chromobacterium fluviatile → Iodobacter fluviatilis					
Chromobacterium haemolyticum	1				+
Chromobacterium subtsugae	1				n
Chromobacterium violaceum		2			ht
CHROMOHALOBACTER					
Chromohalobacter beijerinckii (Pseudomonas beijerinckii)	1				
Chromohalobacter canadensis (Halomonas canadensis)	1				
Chromohalobacter israelensis (Halomonas israelensis)	1				
Chromohalobacter japonicus	1				
Chromohalobacter marismortui	1				
Chromohalobacter nigrandesensis	1				
Chromohalobacter salarius	1				
Chromohalobacter salexigens	1				
Chromohalobacter sarecensis	1				
CHRYSEOBACTERIUM					
Chryseobacterium aquaticum	1				
Chryseobacterium aquifrigidense	1				
Chryseobacterium arothri – synonym: Chryseobacterium hominis					
Chryseobacterium balustinum (Flavobacterium balustinum)	1				
Chryseobacterium bovis	1				
Chryseobacterium caeni	1				
Chryseobacterium daecheongense	1				
Chryseobacterium daeguense	1				
Chryseobacterium defluvii	1				
Chryseobacterium formosense	1				

Genera		Risk g	roun		
Species	1	2	3	4	Notes
Chryseobacterium gambrini	1			•	
Chryseobacterium gleum (Flavobacterium gleum)	1	2			
Chryseobacterium gregarium	1	_			
Chryseobacterium haifense	1				
Chryseobacterium hispanicum	1				
Chryseobacterium hominis	1	2			
Chryseobacterium indologenes (Flavobacterium indologenes)		2			ht
Chryseobacterium indoltheticum (Flavobacterium indoltheticum)	1	_			
Chryseobacterium jejuense	1				
Chryseobacterium joostei	1				
Chryseobacterium luteum	1				
Chryseobacterium meningosepticum → Elizabethkingia meningoseptica					
Chryseobacterium miricola → Elizabethkingia miricola					
Chryseobacterium milicola → Elizabethkingia milicola Chryseobacterium molle	1				
Chryseobacterium mone Chryseobacterium pallidum	1 1				
Chryseobacterium piscium Chryseobacterium piscium	1				
	1	2			
Chryseobacterium scophthalmum (Flavobacterium scophthalmum)	1	2			t
Chryseobacterium shigense	1				
Chryseobacterium soldanellicola	1				
Chryseobacterium soli	1				
Chryseobacterium taeanense	1				
Chryseobacterium taichungense	1				
Chryseobacterium taiwanense	1				
Chryseobacterium ureilyticum	1				
Chryseobacterium vrystaatense	1				
Chryseobacterium wanjuense	1				
CHRYSEOMONAS – synonym: PSEUDOMONAS					
Chryseomonas luteola – synonym: Pseudomonas luteola					
Chryseomonas polytricha – synonym: Pseudomonas luteola					
CHRYSIOGENES	1				
Chrysiogenes arsenatis	1				
CITREICELLA					
Citreicella thiooxidans	1				
CITREIMONAS					
Citreimonas salinaria	1				
CITRICOCCUS					
Citricoccus alkalitolerans	1				
Citricoccus muralis	1				
Citieoccus murans	1				
CITROBACTER					
Citrobacter amalonaticus (Levinea amalonatica)		2			
Citrobacter braakii		2			
Citrobacter diversus – synonym: Citrobacter koseri					
Citrobacter farmeri		2			
Citrobacter freundii		2			
Citrobacter gillenii		2			
Citrobacter koseri		2			
Citrobacter murliniae		2			

		D' '				
Genera Species		Risk group			Notes	
Species Circle 1 and 1 a	1	2	3	4		
Citrobacter rodentium		2			t	
Citrobacter sedlakii		2				
Citrobacter werkmanii		2				
Citrobacter youngae		2				
CLAVIBACTER						
Clavibacter iranicum → Rathayibacter iranicus						
Clavibacter michiganensis subsp. insidiosus						
(Corynebacterium insidiosum)	1				p2	
Clavibacter michiganensis subsp. michiganensis					•	
(Corynebacterium michiganense)	1				p2	
Clavibacter michiganensis subsp. nebraskensis	4					
(Corynebacterium nebraskense)	1				p	
Clavibacter michiganensis subsp. sepedonicus ^b (Corynebacterium sepedonicum)	1				2	
Clavibacter michiganensis subsp. tessellarius	1				p2	
(Corynebacterium michiganense subsp. tessellarius)	1				n	
Clavibacter rathayi → Rathayibacter rathayi					p	
·						
Clavibacter toxicus → Rathayibacter toxicus						
Clavibacter tritici → Rathayibacter tritici						
Clavibacter xyli subsp. cynodontis → Leifsonia xyli subsp. cynodontis						
Clavibacter xyli subsp. xyli → Leifsonia xyli subsp. xyli						
OLEVEL ANDINA						
CLEVELANDINA	1					
Clevelandina reticulitermitidis	1					
CLOACIBACTERIUM						
Cloacibacterium normanense	1					
CLOSTRIDIISALIBACTER						
Clostridiisalibacter paucivorans	1					
CLOSTRIDIUM						
Clostridium absonum – synonym: Clostridium sardiniense						
Clostridium aceticum Clostridium aceticum	1					
Clostridium acetireducens	1					
Clostridium acetobutylicum	1					
Clostridium acidisoli	1					
Clostridium aciditolerans	1					
Clostridium acidiurici	1					
Clostridium aerotolerans	1					
Clostridium aestuarii	1					
Clostridium akagii	1					
Clostridium aldenense	1	2				
Clostridium aldrichii	1	4				
Clostridium algidicarnis	1					
Clostridium algidixylanolyticum Clostridium alkalicellum	1 1					
Clostridium aminophilum Clostridium aminovalericum	1					
Ciostricium ammiovaleticum	1					

^b Because of its phytopathogenic properties this species is classified into risk group 2 according to "Liste risikobewerteter Spender- und Empfängerorganismen für genetische Arbeiten".

Species 1	Genera		Risk group		
Clostridium anyselainum		1		4	Notes
Clostridium arpticum Clostridium asparagiforme 1	-			•	
Clostridium asparagiforme					
Clostridium baratii		1	2		
Clostridium baratiit 2 X Clostridium barkeri 1 Clostridium barkeri Clostridium barkeri 1 Clostridium barkeri Clostridium beilgerinckii 1	9	1	2		
Clostridium barkeri → Eubacterium barkeri 1 Clostridium barkeri → Eubacterium barkeri 1 Clostridium barkeri 1 Clostridium beijerinckii 1 Clostridium beitermentans 1 + Clostridium bottulinum 2 T, Z Clostridium bowanani 1 + Clostridium bowanani 1 - Clostridium chowanani 2 Z Clostridium barkeri 2 Z Clostridium chowanani 1 - Clostridium charkeri 2 Z Clostridium cadaveris 2 Z Clostridium caminithermale 1 - Clostridium caminithermale 1 - Clostridium carmini 1 - Clostridium caminithermale 1 - Clostridium caminithermale 1 - Clostridium caminithermale 1 - Clostridium caminithermale 1 - Clostridium celeture 1 - Clostridium					
Clostridium barkeri → Eubacterium barkeri 1 1 1 1 1 1 1 1 1		1	2		7.
Clostridium baritettii 1 Clostridium beirementans 2 ht Clostridium boltea 1 + Clostridium boltea 1 - Clostridium bownanii 1 - Clostridium bownanii 1 - Clostridium bownanii 2 Z Clostridium bownanii 2 Z Clostridium bownanii 2 Z Clostridium bownanii 1 - Clostridium bownanii 2 Z Clostridium bownanii 1 - Clostridium cadaveris 2 Z Clostridium cadaveris 1 - Clostridium caminithermale 1 - Clostridium caminis 2 2 Clostridium caminis 1 - Clostridium caminis 1 - Clostridium celludoram 1 - Clostridium celludorytiam 1 - Clostridium celludorytiam 1 - Clostridium celludoris <td></td> <td></td> <td>_</td> <td></td> <td>_</td>			_		_
Clostridium bicirementans 2 ht Clostridium blottea 1 + Clostridium boulium 2 T, Z Clostridium bowannii 2 T, Z Clostridium bryantii → Syntrophomonas bryantii 2 Z Clostridium cadaveris 2 Z Clostridium cadaveris 1 - Clostridium carboxidivorans 1 - Clostridium celatum 1 - Clostridium celatum 1 - Clostridium celatum 1 - Clostridium cellulosima 2 ht Clostridium cocicium 1		1			
Clostridium bifermentans 1 4 Clostridium borulinum 2 T, Z Clostridium borulinum 1					
Clostridium botulinum 1 + Clostridium botulinum 1 T, Z Clostridium bowmanii 1 — Clostridium bryantii → Syntrophomonas bryantii 2 Z Clostridium cadvicium 2 Z Clostridium cadiveris 1 — Clostridium carboxidivorans 1 — Clostridium carboxidivorans 1 — Clostridium celatum 1 — Clostridium celatum 1 — Clostridium cellulobioparum 1 — Clostridium celluloyfermentans 1 —		1	2		ht
Clostridium boutinium 1 Clostridium bryantii → Syntrophomonas bryantii 2 Clostridium butyricum 2 Z Clostridium carbivirium 1 2 Clostridium carbividiur carniinthermale 1 2 Clostridium carboxidivorans 1 2 Clostridium carboxidivorans 1 2 Clostridium celatum 1 4 Clostridium celatum 1 4 Clostridium cellulogram 1 4 Clostridium cellulogram 1 4 Clostridium celluloyricum 1 4 Clostridium charatabidum 1 4 Clostridium charatabidum 1 4 Clostridium coleatum 1		1	2		
Clostridium bownanii 1 Clostridium bryantii 2 Z Clostridium cadaveris 2 Z Clostridium carminithermale 1 C Clostridium carninithermale 1 C Clostridium carnis 2 C Clostridium celatum 1 C Clostridium celluborcescens 1 C Clostridium cellulobrementans 1 C Clostridium cellulolyticum 1 C Clostridium cellulolyticum 1 C Clostridium cellulovorans 1		1	2		
Clostridium bryantii → Syntrophomonas bryantii 2 Z Clostridium butyricum 2 Z Clostridium cardoxiris 2 Z Clostridium carminithermale 1 Z Clostridium carboxidivorans 1 Z Clostridium celatum 1 Z Clostridium cellulorectercrescens 1 Z Clostridium celluloloparum 1 Z Clostridium celluloloprementans 1 Z Clostridium cellulovicum 1 Z Clostridium cellulovorans 1 Z Clostridium cellulovorans 1 Z Clostridium chauvoei 2 Nt Clostridium chauvoei 2 Nt Clostridium coscrides 1 + Clostridium coscrides 1 + Clostridium cochelarum 1 + Clostridium colicanis 1 + Clostridium colicanis 1 + Clostridium colicanis 1 + Clostridium cylindrosporum<		1	2		1, 2
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Clostridium disporicum 1 Clostridium drakei 1 Clostridium durum → Paenibacillus azotofixans 1 Clostridium estertheticum subsp. estertheticum 1 Clostridium estertheticum subsp. laramiense (Clostridium laramiense) 1 Clostridium fallax 2 Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus 1 Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1		1	2		ht
Clostridium drakei 1 Clostridium durum → Paenibacillus azotofixans Clostridium estertheticum subsp. estertheticum 1 Clostridium estertheticum subsp. laramiense (Clostridium laramiense) 1 Clostridium fallax 2 htt Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1					
Clostridium durum → Paenibacillus azotofixans Clostridium estertheticum subsp. estertheticum Clostridium estertheticum subsp. laramiense (Clostridium laramiense) 1 Clostridium fallax 2 ht Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris	1				
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Clostridium estertheticum subsp. laramiense (Clostridium laramiense) 1 Clostridium fallax 2 ht Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus 1 Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1					
Clostridium fallax 2 ht Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1					
Clostridium felsineum 1 Clostridium fervidum → Caloramator fervidus 1 Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1		1			
Clostridium fervidum → Caloramator fervidus Clostridium fimetarium Clostridium formicoaceticum Clostridium frigidicarnis Clostridium frigoris 1 Clostridium frigoris			2		ht
Clostridium fimetarium 1 Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1		1			
Clostridium formicoaceticum 1 Clostridium frigidicarnis 1 Clostridium frigoris 1					
Clostridium frigidicarnis 1 Clostridium frigoris 1		1			
Clostridium frigoris 1	Clostridium formicoaceticum	1			
	Clostridium frigidicarnis	1			
Clostridium ganghwense 1		1			
	Clostridium ganghwense	1			

Genera		Risk group		Notes
Species	1	2 3	4	rotes
Clostridium gasigenes	1			
Clostridium ghoni		2		
Clostridium glycolicum		2		
Clostridium glycyrrhizinilyticum	1			
Clostridium grantii	1			
Clostridium haemolyticum		2		ht
Clostridium halophilum	1			
Clostridium hastiforme – synonym: Tissierella praeacuta				
Clostridium hathewayi	1			
Clostridium herbivorans	1			
Clostridium hiranonis	1			
Clostridium histolyticum		2		
Clostridium homopropionicum	1			
Clostridium hungatei	1			
Clostridium hydroxybenzoicum → Sedimentibacter hydroxybenzoicus				
Clostridium hylemonae	1			
Clostridium indolis	•	2		
Clostridium innocuum		2		
Clostridium intestinale	1	_		
Clostridium irregularis	1			
Clostridium isatidis	1			
Clostridium jejuense	1			
Clostridium josui	1			
Clostridium kluyveri	1			
Clostridium lactatifermentans	1			
Clostridium lacusfryxellense	1			
Clostridium laramiense → Clostridium estertheticum subsp. laramiense	1			
Clostridium lentocellum	1			
Clostridium lentoputrescens – synonym: Clostridium cochlearium	1			
Clostridium leptum	1			
Clostridium limosum	1	2		
Clostridium litorale	1	2		
Clostridium lituseburense				
Clostridium ljungdahlii	1 1			
,	1			
Clostridium lortetii → Sporohalobacter lortetii	4			
Clostridium lundense	1			
Clostridium magnum	1	2		
Clostridium malenominatum	4	2		
Clostridium mangenotii	1			
Clostridium mayombei	1			
Clostridium methoxybenzovorans	1			
Clostridium methylpentosum	1			
Clostridium neopropionicum	1			
Clostridium nexile	1			
Clostridium nitrophenolicum	1	2		1 .
Clostridium novyi	4	2		ht
Clostridium oceanicum	1			
Clostridium orbiscindens	1			
Clostridium oroticum		2		
Clostridium oxalicum → Oxalophagus oxalicus				
Clostridium papyrosolvens	1			
Clostridium paradoxum	1			

Genera		Risk group		
Species	1	2 3	4	Notes
Clostridium paraperfringens – synonym: Clostridium barati			•	
Clostridium paraputrificum		2		
Clostridium pascui	1	2		
Clostridium pasteurianum	1			
Clostridium peptidivorans	1			
Clostridium perenne – synonym: Clostridium barati	1			
Clostridium perfringens		2		ht
2 0		2		111
Classification plants for a state of the control o	1			
Classification in the control of the	1	2		
Clostridium piliforme	1	2		t
Clostridium polysaccharolyticum (Fusobacterium polysaccharolyticum)	1			
Clostridium populeti	1			
Clostridium propionicum	1			
Clostridium proteoclasticum	1			
Clostridium proteolyticum	1			
Clostridium psychrophilum	1			
Clostridium puniceum	1			
Clostridium purinolyticum	1			
Clostridium putrefaciens	1			+
Clostridium putrificum – synonym: Clostridium sporogenes				
Clostridium quercicolum → Dendrosporobacter quercicolus				
Clostridium quinii	1			
Clostridium ramosum		2		
Clostridium rectum	1			
Clostridium roseum	1			
Clostridium saccharobutylicum	1			
Clostridium saccharogumia	1			
Clostridium saccharolyticum	1			
Clostridium saccharoperbutylacetonicum	1			
Clostridium sardiniense		2		
Clostridium sartagoformum	1			+
Clostridium scatologenes	1			+
Clostridium schirmacherense	1			
Clostridium scindens	1			
Clostridium septicum		2		
Clostridium sordellii		2		ht
Clostridium sphenoides		2		
Clostridium spiroforme	1			+
Clostridium sporogenes		2		
Clostridium sporosphaeroides	1			
Clostridium stercorarium subsp. leptospartum				
(Thermobacteroides leptospartum)	1			
Clostridium stercorarium subsp. stercorarium	1			
Clostridium stercorarium subsp. thermolacticum				
(Clostridium thermolacticum)	1			
Clostridium sticklandii	1			
Clostridium straminisolvens	1			
Clostridium subterminale		2		
Clostridium symbiosum		2		
Clostridium tepidiprofundi	1			
Clostridium termitidis	1			
Clostridium tertium		2		ht
				-

Genera		Risk	group		
Species	1	2	3	4	Notes
Clostridium tetani		2			T, V, ht
Clostridium tetanomorphum	1				+
Clostridium thermoaceticum → Moorella thermoacetica					
Clostridium thermoalcaliphilum	1				
Clostridium thermoautotrophicum → Moorella thermoautotrophica					
Clostridium thermobutyricum	1				
Clostridium thermocellum	1				
Clostridium thermocopriae → Thermoanaerobacter thermocopriae					
Clostridium thermohydrosulfuricum					
→ Thermoanaerobacter thermohydrosulfuricus					
Clostridium thermolacticum					
→ Clostridium stercorarium subsp. thermolacticum					
Clostridium thermopalmarium	1				
Clostridium thermopapyrolyticum	1				
Clostridium thermosaccharolyticum					
→ Thermoanaerobacterium thermosaccharolyticum					
Clostridium thermosuccinogenes	1				
Clostridium thermosulfurogenes					
→ Thermoanaerobacterium thermosulfurigenes					
Clostridium thiosulfatireducens	1				
Clear it is a line of the control of	1				
Clostridium uliginosum Clostridium ultunense	1				
	1				
Clearing villosum → Filifactor villosus	1				
Clostridium vincentii Clostridium viride	1 1				
Clostridium xylanolyticum	1				
Clostridium xylanovorans	1				
Glostituluii Aylallovotalis	1				
COBETIA					
Cobetia marina					
(Pseudomonas marina, Deleya marina, Halomonas marina)	1				
COENONIA					
Coenonia anatina		2			t
COHAESIBACTER					
	1				
Cohaesibacter gelatinilyticus	1				
COHNELLA					
Cohnella hongkongensis	1				
Cohnella laeviribosi	1				
Cohnella thermotolerans	1				
COLLIMONAS					
Collimonas arenae	1				
Collimonas fungivorans	1				
Collimonas pratensis	1				
COLLINGELLA					
COLLINSELLA Callingalla agraficiana (Exhagtarium agraficiana)		2			
Collinsella aerofaciens (Eubacterium aerofaciens) Collinsella intestinalis	1	2			
Collinsella stercoris	1				
Commodia stateons	1				

Genera Species		Risk g	Notes		
Species	1	2	3	4	
COLWELLIA					
Colwellia aestuarii	1				
Colwellia demingiae	1				
Colwellia hadaliensis	1				
Colwellia hornerae	1				
Colwellia maris	1				
Colwellia piezophila	1				
Colwellia psychrerythraea	1				
Colwellia psychrotropica	1				
Colwellia rossensis	1				
COMAMONAS					
Comamonas acidovorans → Delftia acidovorans					
Comamonas aquatica (Aquaspirillum aquaticum)		2			
Comamonas badia	1				
Comamonas composti	1				
Comamonas denitrificans	1				
Comamonas kerstersii		2			
Comamonas koreensis	1				
Comamonas nitrativorans	1				
Comamonas odontotermitis	1				
Comamonas terrigena		2			
Comamonas testosteroni (Pseudomonas testosteroni)	1^{G}				+
CONCHIFORMIBIUS					
Conchiformibius kuhniae	1				
Conchiformibius steedae (Simonsiella steedae)	1				
CONEXIBACTER					
Conexibacter woesei	1				
CONGLOMEROMONAS					
Conglomeromonas largomobilis subsp. largomobilis					
→ Azospirillum largimobile					
Conglomeromonas largomobilis subsp. parooensis → Skermanella parooensis					
COPROBACILLUS Coprobacillus estens formis	1				
Coprobacillus catenaformis	1				
COPROCOCCUS					
Coprococcus catus	1				
Coprococcus comes	1				+
Coprococcus eutactus	1				
COPROTHERMOBACTER					
Coprothermobacter platensis	1				
Coprothermobacter proteolyticus (Thermobacteroides proteolyticus)	1				
00 D 17 T 0 T D 0 T D 7 T 1					

CORALIOMARGARITA

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk	group		NT
Species	1	2	3	4	Notes
Coraliomargarita akajimensis	1				
CORALLOCOCCUS					
Corallococcus coralloides (Myxococcus coralloides)	1				
Corallococcus exiguus	1				
Corallococcus macrosporus	1				
CORIOBACTERIUM					
Coriobacterium glomerans	1				
CORYNEBACTERIUM		_			
Corynebacterium accolens		2			
Corynebacterium afermentans subsp. afermentans		2			
Corynebacterium afermentans subsp. lipophilum		2			
Corynebacterium ammoniagenes (Brevibacterium ammoniagenes)	1				+
Corynebacterium amycolatum		2			ht
Corynebacterium appendicis	1				+
"Corynebacterium aquaticum" → Leifsonia aquatica					
Corynebacterium aquilae	1				
Corynebacterium argentoratense		2			
Corynebacterium atypicum	1				
Corynebacterium aurimucosum	1				+
Corynebacterium auris		2			
Corynebacterium auriscanis		2			t
Corynebacterium betae → Curtobacterium flaccumfaciens pv. betae					
"Corynebacterium beticola"		2			р
Corynebacterium bovis		2			ht
Corynebacterium callunae	1				
Corynebacterium camporealensis		2			t
Corynebacterium capitovis	1				t+
Corynebacterium casei	1				
Corynebacterium caspium	1				t+
Corynebacterium ciconiae	1				•
Corynebacterium confusum	1	2			
Corynebacterium coyleae		2			
Corynebacterium cystitidis		2			t
Corynebacterium diphtheriae		2			T, V
Corynebacterium durum	1	4			+
Corynebacterium efficiens	1 1				Т
·	1				
Corynebacterium equi → Rhodococcus equi		2			
Corynebacterium falsenii		2			
Corynebacterium fascians → Rhodococcus fascians					
Corynebacterium flaccumfaciens → Curtobacterium flaccumfaciens					
Corynebacterium flavescens	1				
Corynebacterium freneyi		2			
Corynebacterium glaucum	1				
Corynebacterium glucuronolyticum		2			
Corynebacterium glutamicum	1				
"Corynebacterium haemolyticum"					
→ Arcanobacterium haemolyticum					
Corynebacterium halotolerans	1				
Corynebacterium hansenii	1				+
•					

Genera		Risk g	group		Notes
Species	1	2	3	4	INOTES
Corynebacterium hoagii		2			
Corynebacterium ilicis = Curtobacterium flaccumfaciens pv. ilicis	1				p2
Corynebacterium imitans		2			_
Corynebacterium insidiosum					
→ Clavibacter michiganensis subsp. insidiosus					
Corynebacterium iranicum → Rathayibacter iranicus					
Corynebacterium jeikeium		2			
Corynebacterium kroppenstedtii	1				+
Corynebacterium kutscheri	1				ht+
Corynebacterium lilium – synonym: Corynebacterium glutamicum					
Corynebacterium lipophiloflavum	1				+
Corynebacterium macginleyi		2			
Corynebacterium mastitidis		2			t
Corynebacterium matruchotii (Bacterionema matruchotii)		2			
"Corynebacterium mediolanum" → Agromyces mediolanus					
Corynebacterium michiganense					
→ Clavibacter michiganensis subsp. michiganensis					
Corynebacterium michiganense subsp. tessellarius					
→ Clavibacter michiganensis subsp. tessellarius					
Corynebacterium minutissimum		2			
Corynebacterium mooreparkense – synonym: Corynebacterium variabile					
Corynebacterium mucifaciens		2			
Corynebacterium mycetoides		2			
Corynebacterium nebraskense					
→ Clavibacter michiganensis subsp. nebraskensis					
Corynebacterium nigricans		2			
Corynebacterium oortii → Curtobacterium flaccumfaciens pv. oortii					
Corynebacterium paurometabolum → Tsukamurella paurometabola					
Corynebacterium phocae	1				
Corynebacterium pilosum	•	2			
Corynebacterium poinsettiae		_			
→ Curtobacterium flaccumfaciens pv. poinsettiae					
Corynebacterium propinquum		2			
Corynebacterium pseudodiphtheriticum		2			
Corynebacterium pseudotuberculosis		2			Z
Corynebacterium pyogenes → Arcanobacterium pyogenes					
Corynebacterium rathayi → Rathayibacter rathayi					
Corynebacterium renale		2			t
Corynebacterium resistens		2			ι
Corynebacterium riegelii		2			
Corynebacterium riegem Corynebacterium seminale		2			
Corynebacterium sepedonicum		2			
→ Clavibacter michiganensis subsp. sepedonicus					
Corynebacterium simulans		2			
Corynebacterium singulare	1	2			+
Corynebacterium sphenisci	1				ı
Corynebacterium spheniscorum	1				
Corynebacterium striatum	1	2			
Corynebacterium suicordis		2			t
Corynebacterium sundsvallense		2			ι
Corynebacterium stindsvanerise Corynebacterium terpenotabidum	1	2			
Corynebacterium terpenotabidum Corynebacterium thomssenii	1	2			
Oryneoactenum momosem		4			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Corynebacterium tritici → Rathayibacter tritici					
Corynebacterium tuberculostearicum		2			
Corynebacterium tuscaniae	1				+
Corynebacterium ulcerans		2			ht
Corynebacterium urealyticum		2			ht
Corynebacterium ureicelerivorans	1				+
Corynebacterium variabile (Arthrobacter variabilis)	1				
Corynebacterium vitaeruminis (Brevibacterium vitarumen)	1				
Corynebacterium xerosis	1				
COSTERTONIA					
Costertonia aggregata	1				
COUCHIOPLANES					
Couchioplanes caeruleus subsp. azureus	1				
Couchioplanes caeruleus subsp. caeruleus (Actinoplanes caeruleus)	1				
Codemopranes eacrateus subsp. eacrateus (Aretinopranes eacrateus)	1				
$COWDRIA \rightarrow EHRLICHIA$					
Cowdria ruminantium → Ehrlichia ruminantium					
COXIELLA					
Coxiella burnetii			3		Z
CDARTREEL A CHINTELLA					
CRABTREELLA – synonym: SHINELLA					
Crabtreella saccharophila – synonym: Shinella zoogloeoides					
CRAUROCOCCUS					
Craurococcus roseus	1				
CRENOTHRIX					
Crenothrix polyspora	1				
"CRINALIUM"					
"Crinalium epipsammum"	1				
"Crinanum epipsammum	1				
CRISTISPIRA					
Cristispira pectinis	1				
CROCEIBACTER					
Croceibacter atlanticus	1				
CROCINITOMIX					
Crocinitomix catalasitica	1				
CRONOBACTER					
Cronobacter dublinensis subsp. dublinensis		2			
Cronobacter dublinensis subsp. lactaridi		2			
Cronobacter dublinensis subsp. lausannensis		2			
Cronobacter malonaticus		2			
Cronobacter muytjensii		2			
Cronobacter sakazakii (Enterobacter sakazakii)		2			
Cronobacter turicensis		2			

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Genera Species	1	Risk group	4	Notes
Species CROSSIELLA	1	2 3	4	
	1			
Crossiella cryophila (Saccharothrix cryophilis) Crossiella equi	1	2		4
Crossiena equi		2		t
CRYOBACTERIUM				
Cryobacterium mesophilum	1			
Cryobacterium psychrophilum ("Curtobacterium psychrophilum")	1			
Cryobacterium psychrotolerans	1			
, 1,				
CRYOMORPHA				
Cryomorpha ignava	1			
CDVDTANAEDODACTED				
CRYPTANAEROBACTER	1			
Cryptanaerobacter phenolicus	1			
CRYPTOBACTERIUM				
Cryptobacterium curtum	1			+
oryprobacterium curtum	1			'
CRYPTOSPORANGIUM				
Cryptosporangium arvum	1			
Cryptosporangium aurantiacum	1			
Cryptosporangium japonicum	1			
Cryptosporangium minutisporangium (Actinoplanes minutisporangius)	1			
CUCUMIBACTER				
Cucumibacter marinus	1			
CURRIANIDUC				
CUPRIAVIDUS Consideration has been as a Construction been been been been been been been be	1			
Cupriavidus basilensis (Wautersia basilensis, Ralstonia basilensis)	1			
Cupriavidus campinensis (Wautersia campinensis, Ralstonia campinensis)	1			
Cupriavidus gilardii (Wautersia gilardii, Ralstonia gilardii)	1			+
Cupriavidus laharis	1			1
Cupriavidus metallidurans	1			
(Wautersia metallidurans, Ralstonia metallidurans)	1			
Cupriavidus necator	1			
Cupriavidus oxalaticus (Wautersia oxalatica, Ralstonia oxalatica)	1			
Cupriavidus pauculus (Wautersia paucula, Ralstonia paucula)	1	2		
Cupriavidus pinatubonensis	1	2		
Cupriavidus respiraculi (Wautersia respiraculi, Ralstonia respiraculi)	1			+
Cupriavidus taiwanensis (Wautersia taiwanensis, Ralstonia taiwanensis)	1			+
3-p	_			
CURTOBACTERIUM				
Curtobacterium albidum = Brevibacterium albidum	1			
Curtobacterium ammoniigenes	1			
Curtobacterium citreum = Brevibacterium citreum	1			
Curtobacterium flaccumfaciens				
(Corynebacterium betae, Corynebacterium flaccumfaciens,				
Corynebacterium ilicis, Corynebacterium oortii, Corynebacterium				
poinsettiae)	1			p2
Curtobacterium flaccumfaciens pv. ilicis = Corynebacterium ilicis	1			p2
Curtobacterium herbarum	1			
Curtobacterium luteum = Brevibacterium luteum	1			
Curtobacterium plantarum	1			

Genera		Risk	group		Notes	
Species	1	2	3	4	Notes	
"Curtobacterium psychrophilum" → Cryobacterium psychrophilum						
Curtobacterium pusillum = Brevibacterium pusillum	1					
Curtobacterium saperdae → Microbacterium saperdae						
Curtobacterium testaceum → Microbacterium testaceum						
CURVIBACTER						
Curvibacter delicatus (Aquaspirillum delicatum)	1					
Curvibacter gracilis	1					
Curvibacter lanceolatus (Pseudomonas lanceolata)	1					
CYCLOBACTERIUM						
Cyclobacterium amurskyense	1					
Cyclobacterium lianum	1					
Cyclobacterium marinum (Flectobacillus marinus)	1					
CYCLOCLASTICUS						
Cycloclasticus pugetii	1					
CYSTOBACTER						
Cystobacter armeniaca	1					
Cystobacter badius	1					
Cystobacter disciformis	1					
(Angiococcus disciformis, Myxococcus disciformis) Cystobacter ferrugineus	1 1					
Cystobacter fuscus	1					
Cystobacter gracilis	1					
Cystobacter miniatus	1					
Cystobacter minus	1					
Cystobacter velatus	1					
Cystobacter violaceus	1					
CYTOPHAGA						
Cytophaga agarovorans → Marinilabilia salmonicolor						
Cytophaga aprica → Flammeovirga aprica						
Cytophaga aquatilis → Flavobacterium hydatis						
Cytophaga arvensicola → Chitinophaga arvensicola						
Cytophaga aurantiaca	1					
Cytophaga columnaris → Flavobacterium columnare						
Cytophaga diffluens → Persicobacter diffluens						
Cytophaga fermentans	1					
Cytophaga flevensis → Flavobacterium flevense						
Cytophaga heparina → Pedobacter heparinus						
Cytophaga hutchinsonii	1					
Cytophaga johnsonae → Flavobacterium johnsoniae						
Cytophaga latercula → Aquimarina latercula						
Cytophaga lytica → Cellulophaga lytica						
Cytophaga marina – synonym: Flexibacter maritimus						
→ Tenacibaculum maritimum						
Cytophaga marinoflava → Leeuwenhoekiella marinoflava						
Cytophaga pectinovora → Flavobacterium pectinovorum						
Cytophaga psychrophila → Flavobacterium psychrophilum						
Cytophaga psychrophila → Flavobacterium psychrophilum						

	Risk group		
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Genera		Risk		Notes	
Species	1	2	3	4	inotes
Deinococcus claudionis	1				
Deinococcus deserti	1				
Deinococcus erythromyxa → Kocuria rosea					
Deinococcus ficus	1				
Deinococcus frigens	1				
Deinococcus geothermalis	1				
Deinococcus grandis (Deinobacter grandis)	1				
Deinococcus hohokamensis	1				
Deinococcus hopiensis	1				
Deinococcus indicus	1				
Deinococcus maricopensis	1				
Deinococcus marmoris	1				
Deinococcus mumbaiensis	1				
Deinococcus murrayi	1				
Deinococcus navajonensis	1				
Deinococcus papagonensis	1				
Deinococcus peraridilitoris	1				
Deinococcus pimensis	1				
Deinococcus proteolyticus	1				
Deinococcus radiodurans	1				
Deinococcus radiomollis	1				
Deinococcus radiophilus	1				
Deinococcus radiopugnans	1				
Deinococcus saxicola	1				
Deinococcus sonorensis	1				
Deinococcus yavapaiensis	1				
Deinococcus yunweiensis	1				
DELEYA → HALOMONAS					
Deleya aesta – synonym: Deleya aquamarina → Halomonas aquamarina					
Deleya aquamarina → Halomonas aquamarina					
Deleya cupida → Halomonas cupida					
Deleya halophila → Halomonas halophila					
•					
Deleya marina → Cobetia marina					
Deleya pacifica → Halomonas pacifica					
Deleya salina → Halomonas salina					
Deleya venusta → Halomonas venusta					
DELFTIA					
Delftia acidovorans					
(Pseudomonas acidovorans, Comamonas acidovorans)	1^{G}				+
Delftia tsuruhatensis	1				
DEMEQUINA					
Demequina aestuarii	1				
DEMETRIA					
Demetria terragena	1				

DENDROSPOROBACTER

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera					
Species	1	Risk g 2	3	4	Notes
Dendrosporobacter quercicolus (Clostridium quercicolum)	1	<u>=</u>			
DENITRATISOMA					
Denitratisoma oestradiolicum	1				
DENITROBACTERIUM					
Denitrobacterium detoxificans	1				
DENITROVIBRIO					
Denitrovibrio acetiphilus	1				
DERMABACTER					
Dermabacter hominis	1				+
	-				
DERMACOCCUS					
Dermacoccus abyssi	1				
Dermacoccus barathri	1				
Dermacoccus nishinomiyaensis (Micrococcus nishinomiyaensis)	1				
Dermacoccus profundi	1				
DERMATOPHILUS					
Dermatophilus chelonae		2			t
Dermatophilus congolensis		2			Z
DERXIA					
Derxia gummosa	1				
DESEMZIA					
Desemzia incerta (Brevibacterium incertum)	1				
, , , , , , , , , , , , , , , , , , , ,					
DESULFACINUM					
Desulfacinum hydrothermale	1				
Desulfacinum infernum	1				
DESULFARCULUS					
Desulfarculus baarsii (Desulfovibrio baarsii)	1				
Decimination (Decimination States)	-				
DESULFATIBACILLUM					
Desulfatibacillum aliphaticivorans	1				
Desulfatibacillum alkenivorans	1				
DESULFATIFERULA					
Desulfatiferula olefinivorans	1				
Desuitative dia distribution of the second o	1				
DESULFATIRHABDIUM					
Desulfatirhabdium butyrativorans	1				
DEGLI ENTIDA OTICID					
DESULFITIBACTER Desulfation and the line leaves	4				
Desulfitibacter alkalitolerans	1				
DESULFITOBACTERIUM					
Desulfitobacterium chlororespirans	1				
Desulfitobacterium dehalogenans	1				
Desulfitobacterium frappieri	1				

Genera	Risk group			Risk group			Risk gro			ı			Risk group				
Species	1	2	3	4	Notes												
Desulfitobacterium hafniense	1																
Desulfitobacterium metallireducens	1																
DESULFOBACCA																	
Desulfobacca acetoxidans	1																
DESULFOBACTER																	
Desulfobacter curvatus	1																
Desulfobacter halotolerans	1																
Desulfobacter hydrogenophilus	1																
Desulfobacter latus	1																
Desulfobacter postgatei	1																
Desulfobacter vibrioformis	1																
DESULFOBACTERIUM																	
Desulfobacterium anilini	1																
Desulfobacterium autotrophicum	1																
Desulfobacterium catecholicum	1																
Desulfobacterium cetonicum → Desulfosarcina cetonica																	
Desulfobacterium indolicum	1																
Desulfobacterium macestii → Desulfomicrobium macestii																	
Desulfobacterium niacini	1																
Desulfobacterium phenolicum → Desulfobacula phenolica																	
Desulfobacterium vacuolatum	1																
DESULFOBACULA																	
Desulfobacula phenolica (Desulfobacterium phenolicum)	1																
Desulfobacula toluolica	1																
DESULFOBULBUS																	
Desulfobulbus elongatus	1																
Desulfobulbus japonicus	1																
Desulfobulbus mediterraneus	1																
Desulfobulbus propionicus	1																
Desulfobulbus rhabdoformis	1																
DESULFOCAPSA																	
Desulfocapsa sulfoexigens	1																
Desulfocapsa thiozymogenes	1																
DESULFOCELLA																	
Desulfocella halophila	1																
DESULFOCOCCUS																	
Desulfococcus biacutus	1																
Desulfococcus multivorans	1																
DESULFOFABA																	
Desulfofaba fastidiosa	1																
Desulfofaba gelida	1																
Desulfofaba hansenii (Desulfomusa hansenii)	1																

DESULFOFRIGUS

Genera		Risk	N T . 4		
Species	1	2	3	4	Notes
Desulfofrigus fragile	1				
Desulfofrigus oceanense	1				
DESULFOFUSTIS					
Desulfofustis glycolicus	1				
DESULFOGLAEBA					
Desulfoglaeba alkanexedens	1				
DESULFOHALOBIUM					
Desulfohalobium retbaense	1				
Desulfohalobium utahense	1				
DESULFOLUNA					
Desulfoluna butyratoxydans	1				
DESULFOMICROBIUM					
Desulfomicrobium apsheronum	1				
Desulfomicrobium baculatum (Desulfovibrio baculatus)	1				
Desulfomicrobium escambiense	1				
Desulfomicrobium macestii (Desulfobacterium macestii)	1				
Desulfomicrobium norvegicum	1				
Desulfomicrobium orale		2			
Desulfomicrobium thermophilum	1	2			
DESULFOMONAS → DESULFOVIBRIO					
Desulfomonas pigra → Desulfovibrio piger					
DESULFOMONILE					
Desulfomonile limimaris	1				
Desulfomonile tiedjei	1				
Desuitomorme dealer	1				
DESULFOMUSA → DESULFOFABA					
Desulfomusa hansenii → Desulfofaba hansenii					
DESULFONATRONOVIBRIO	4				
Desulfonatronovibrio hydrogenovorans	1				
DESULFONATRONUM					
Desulfonatronum cooperativum	1				
Desulfonatronum lacustre	1				
Desulfonatronum thiodismutans	1				
DESULFONAUTICUS					
Desulfonauticus submarinus	1				
DESULFONEMA					
Desulfonema ishimotoi	1				
Desulfonema limicola	1				
Desulfonema magnum	1				
DESULFONISPORA					
Desulfonispora thiosulfatigenes	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
DESULFOPILA					
Desulfopila aestuarii	1				
DESULFOREGULA					
Desulforegula conservatrix	1				
DESULFORHABDUS	4				
Desulforhabdus amnigena	1				
DESULFORHOPALUS					
Desulforhopalus singaporensis	1				
Desulforhopalus vacuolatus	1				
DEGLI FOR A BODA					
DESULFOSARCINA	1				
Desulfosarcina cetonica (Desulfobacterium cetonicum) Desulfosarcina ovata	1				
Desulfosarcina ovata Desulfosarcina variabilis	1 1				
Desunosarcina variadins	1				
DESULFOSPIRA					
Desulfospira joergensenii	1				
DESULFOSPOROSINUS					
Desulfosporosinus auripigmenti (Desulfotomaculum auripigmentum)	1				
Desulfosporosinus hippei	1				
Desulfosporosinus lacus	1				
Desulfosporosinus meridiei	1				
Desulfosporosinus orientis (Desulfotomaculum orientis)	1				
DESULFOTALEA					
Desulfotalea arctica	1				
Desulfotalea psychrophila	1				
DESULFOTHERMUS					
Desulfothermus naphthae	1				
Desulfothermus okinawensis	1				
DESULFOTIGNUM					
Desulfotignum balticum	1				
Desulfotignum toluenicum	1				
DESULFOTOMACULUM					
Desulfotomaculum acetoxidans	1				
Desulfotomaculum aeronauticum	1				
Desulfotomaculum alcoholivorax	1				
Desulfotomaculum alkaliphilum	1				
Desulfotomaculum antarcticum	1				
Desulfotomaculum arcticum	1				
Desulfotomaculum auripigmentum → Desulfosporosinus auripigmenti	-				
Desulfotomaculum auripigmentum Desulfotomaculum australicum	1				
	1				
Desulfotomaculum carbovydivorane					
Desulfotomaculum carboxydivorans Desulfotomaculum geothermicum	1				

Genera		Risk group			NI _{a4a} -	
Species	1	2	3	4	Notes	
Desulfotomaculum guttoideum	1					
Desulfotomaculum halophilum	1					
Desulfotomaculum kuznetsovii	1					
Desulfotomaculum luciae	1					
Desulfotomaculum nigrificans	1					
Desulfotomaculum orientis → Desulfosporosinus orientis						
Desulfotomaculum putei	1					
Desulfotomaculum ruminis	1					
Desulfotomaculum sapomandens	1					
Desulfotomaculum solfataricum	1					
Desulfotomaculum thermoacetoxidans	1					
Desulfotomaculum thermobenzoicum subsp. thermobenzoicum	1					
Desulfotomaculum thermobenzoicum subsp. thermosyntrophicum	1					
Desulfotomaculum thermocisternum	1					
Desulfotomaculum thermosapovorans	1					
Desulfotomaculum thermosubterraneum	1					
Desunotomaculum mermosubterraneum	1					
DESULFOVERMICULUS						
Desulfovermiculus halophilus	1					
Desurtoverninearus maiopinius	1					
DESULFOVIBRIO						
Desulfovibrio acrylicus	1					
Desulfovibrio aespoensis	1					
Desulfovibrio africanus	1					
Desulfovibrio alaskensis	1					
Desulfovibrio alcoholovorans	1					
Desulfovibrio alkalitolerans	1					
Desulfovibrio aminophilus	1					
Desulfovibrio baarsii → Desulfarculus baarsii						
Desulfovibrio baculatus → Desulfomicrobium baculatum						
Desulfovibrio bactuatus	1					
Desulfovibrio bizertensis	1					
Desulfovibrio burkinensis Desulfovibrio carbinolicus	1 1					
	1					
Desulfovibrio carbinoliphilus Desulfovibrio cuneatus	1					
Desulfovibrio dechloracetivorans	1					
	1					
Desulfovibrio desulfuricans subsp. aestuarii Desulfovibrio desulfuricans subsp. desulfuricans						
1	1					
Desulfovibrio ferrireducens	1					
Desulfovibrio frigidus	1					
Desulfovibrio fructosovorans	1					
Desulfovibrio furfuralis	1					
Desulfovibrio gabonensis	1					
Desulfovibrio giganteus	1					
Desulfovibrio gigas	1					
Desulfovibrio gracilis	1					
Desulfovibrio halophilus	1					
Desulfovibrio hydrothermalis	1					
Desulfovibrio indonensis	1					
Desulfovibrio inopinatus	1					
Desulfovibrio intestinalis	1					

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Desulfovibrio litoralis	1				
Desulfovibrio longreachensis	1				
Desulfovib r io longus	1				
Desulfovib r io magneticus	1				
Desulfovibrio marinus	1				
Desulfovibrio mexicanus	1				
Desulfovibrio oxamicus (Desulfovibrio vulgaris subsp. oxamicus)	1				
Desulfovibrio oxyclinae	1				
Desulfovibrio piger (Desulfomonas pigra)	1				
Desulfovibrio profundus	1				
Desulfovibrio psychrotolerans	1				
Desulfovibrio putealis	1				
Desulfovibrio salexigens	1				
Desulfovibrio sapovorans	1				
Desulfovibrio senezii	1				
Desulfovibrio simplex	1				
Desulfovibrio sulfodismutans	1				
Desulfovibrio termitidis	1				
Desulfovibrio thermophilus → Thermodesulfobacterium mobile					
Desulfovibrio vietnamensis	1				
Desulfovibrio vulgaris (Desulfovibrio vulgaris subsp. vulgaris)	1				
Desulfovibrio vulgaris subsp. oxamicus → Desulfovibrio oxamicus	-				
Desulfovibrio vulgaris subsp. vulgaris → Desulfovibrio vulgaris Desulfovibrio zosterae	1				
Desuitoviono zosterae	1				
DESULFOVIRGA					
Desulfovirga adipica	1				
DESULFOVIRGULA					
Desulfovirgula thermocuniculi	1				
DESULFURELLA	4				
Desulfurella acetivorans	1				
Desulfurella kamchatkensis	1				
Desulfurella multipotens	1				
Desulfurella propionica	1				
DESULFURISPORA					
Desulfurispora thermophila	1				
DESULFUROBACTERIUM					
Desulfurobacterium atlanticum	1				
Desulfurobacterium pacificum	1				
Desulfurobacterium thermolithotrophum	1				
DESULFUROCOCCUS					
Desulfurococcus amylolyticus	1				
Desulfurococcus fermentans	1				
Desulfurococcus mobilis	1				
Desulfurococcus mucosus	1				

$DESULFUROLOBUS \rightarrow ACIDIANUS$

Genera		Risk group		
Species	1	2 3	4	Notes
Desulfurolobus ambivalens → Acidianus ambivalens		-		
DESULFUROMONAS				
Desulfuromonas acetexigens	1			
Desulfuromonas acetoxidans	1			
Desulfuromonas chloroethenica	1			
Desulfuromonas palmitatis	1			
Desulfuromonas svalbardensis	1			
Desulfuromonas thiophila	1			
DESULFUROMUSA				
Desulfuromusa bakii	1			
Desulfuromusa ferrireducens	1			
Desulfuromusa kysingii	1			
Desulfuromusa succinoxidans	1			
DETHIOSULFATIBACTER				
Dethiosulfatibacter aminovorans	1			
DETHIOSULFOVIBRIO				
Dethiosulfovibrio acidaminovorans	1			
Dethiosulfovibrio marinus	1			
Dethiosulfovibrio peptidovorans	1			
Dethiosulfovibrio russensis	1			
DEVOSIA				
Devosia chinhatensis	1			
Devosia geojensis	1			
Devosia insulae	1			
Devosia limi	1			
Devosia neptuniae	1			
Devosia riboflavina ("Pseudomonas riboflavina") Devosia soli	1			
Devosia subaequoris	1 1			
DIALISTER				
Dialister invisus		2		
Dialister micraerophilus		2		
Dialister pneumosintes (Bacteroides pneumosintes)		2		
Dialister propionicifaciens		2		
DIAPHOROBACTER				
Diaphorobacter nitroreducens	1			
DICHELOBACTER				
Dichelobacter nodosus (Bacteroides nodosus)		2		t
DICHOTOMICROBIUM				
Dichotomicrobium thermohalophilum	1			
DICKEYA				
Dickeya chrysanthemi				
(Erwinia chrysanthemi, Pectobacterium chrysanthemi)	1			p2
				-

Genera		Risk g	group		N. T
Species	1	2	3	4	Notes
Dickeya dadantii	1			•	p
Dickeya dianthicola	1				p
Dickeya dieffenbachiae	1				p
Dickeya paradisiaca (Brenneria paradisiaca, Erwinia paradisiaca)	1				p
Dickeya zeae	1				p
,					1
DICTYOGLOMUS					
Dictyoglomus thermophilum	1				
Dictyoglomus turgidum	1				
DIETZIA					
Dietzia cinnamea	1				+
Dietzia kunjamensis	1				
Dietzia maris (Rhodococcus maris)	1				+
Dietzia natronolimnaea	1				
Dietzia papillomatosis	1				+
Dietzia psychralcaliphila	1				
DINOROSEOBACTER					
Dinoroseobacter shibae	1				
DIPLOCALYX					
Diplocalyx calotermitidis	1				
DOKDONELLA					
Dokdonella fugitiva	1				
Dokdonella koreensis	1				
DOKDONIA					
Dokdonia donghaensis	1				
DOLOSIGRANULUM					
Dolosigranulum pigrum		2			
DONGHAEANA					
Donghaeana dokdonensis	1				
Donghaeana dokdonensis	1				
DONGHICOLA					
Donghicola eburneus	1				
DOREA					
Dorea formicigenerans (Eubacterium formicigenerans)	1				
Dorea longicatena	1				
DUGANELLA					
	1				
Duganella violaceinigra	1				
Duganella zoogloeoides	1				
DYADOBACTER					
Dyadobacter beijingensis	1				
Dyadobacter crusticola	1				
Dyadobacter fermentans	1				
Dyadobacter ginsengisoli	1				
Dyadobacter hamtensis	1				

Genera		Risk g	roun		
Species	1	2	3	4	Notes
Dyadobacter koreensis	1				
DYELLA					
Dyella japonica	1				
Dyella koreensis	1				
Dyella yeojuensis	1				
DYSGONOMONAS		2			
Dysgonomonas capnocytophagoides	4	2			
Dysgonomonas gadei	1				+
Dysgonomonas mossii	1				+
ECHINICOLA					
Echinicola pacifica	1				
Echinicola vietnamensis	1				
ECTOTHIORHODOSINUS					
Ectothiorhodosinus mongolicum	1				
ECTOTHIORHODOSPIRA					
Ectothiorhodospira abdelmalekii → Halorhodospira abdelmalekii					
Ectothiorhodospira abdellialekii — Halorhodospira abdellialekii Ectothiorhodospira haloalkaliphila	1				
•	1				
Ectothiorhodospira halochloris → Halorhodospira halochloris					
Ectothiorhodospira halophila → Halorhodospira halophila					
Ectothiorhodospira marina	1				
Ectothiorhodospira marismortui – synonym: Ectothiorhodospira mobilis					
Ectothiorhodospira mobilis	1				
Ectothiorhodospira shaposhnikovii	1				
Ectothiorhodospira vacuolata – synonym:	1				
Ectothiorhodospira vacuoiata – synonym. Ectothiorhodospira shaposhnikovii					
EDAPHOBACTER					
Edaphobacter aggregans	1				
Edaphobacter modestus	1				
Edaphobacter modestus	1				
EDWARDSIELLA					
Edwardsiella anguillimortifera – synonym: Edwardsiella tarda					
Edwardsiella hoshinae	1				+
Edwardsiella ictaluri		2			ht
Edwardsiella tarda		2			ht
EFFLUVIIBACTER					
Effluviibacter roseus	1				
EGGERTHELLA					
Eggerthella hongkongensis		2			
Eggerthella lenta (Eubacterium lentum)		2			ht
Eggerthella sinensis	1	4			+
2-880-croum outeriore	1				•
EHRLICHIA					
Ehrlichia canis		2			Z
Ehrlichia chaffeensis		2			Z

Genera		Risk g	_		Notes
Species Fig. 1.1.	1	2	3	4	
Ehrlichia equi – synonym: Ehrlichia phagocytophila → Anaplasma phagocytophilum					
Ehrlichia ewingii		2			\mathbf{Z}
Ehrlichia muris		2			t
Ehrlichia phagocytophila → Anaplasma phagocytophilum		2			·
Ehrlichia risticii → Neorickettsia risticii					
Ehrlichia ruminantium (Cowdria ruminantium)		2			\mathbf{Z}
Ehrlichia sennetsu → Neorickettsia sennetsu		2			Z
EIKENELLA					
Eikenella corrodens		2			
Elkenena confodens		2			
ELIORAEA					
Elioraea tepidiphila	1				
ELIZABETHKINGIA					
Elizabethkingia meningoseptica (Flavobacterium meningosepticum,					
Chryseobacterium meningosepticum)		2			ht
Elizabethkingia miricola (Chryseobacterium miricola)	1				
,					
$ELYTROSPORANGIUM \rightarrow STREPTOMYCES$					
Elytrosporangium brasiliense → Streptomyces brasiliensis					
Elytrosporangium carpinense → Streptomyces carpinensis					
Elytrosporangium spirale → Streptomyces spiralis					
EMPEDOBACTER					
Empedobacter brevis (Flavobacterium breve)		2			ht
EMTICICIA					
Emticicia ginsengisoli	1				
Emticicia oligotrophica	1				
ENDOZOICOMONAS					
Endozoicomonas elysicola	1				
ENHYDROBACTER					
Enhydrobacter aerosaccus	1				
ENHYGROMYXA					
Enhygromyxa salina	1				
ENSIFER					
Ensifer adhaerens	1				
Ensifer arboris (Sinorhizobium arboris)	1				
Ensifer fredii (Rhizobium fredii, Sinorhizobium fredii)	1				
Ensifer kostiensis (Sinorhizobium kostiense)	1				
Ensifer kummerowiae (Sinorhizobium kummerowiae)	1				
Ensifer medicae (Sinorhizobium medicae)	1				
Ensifer meliloti (Rhizobium meliloti, Sinorhizobium meliloti)	1				
Ensifer saheli (Sinorhizobium saheli)	1				
Ensifer terangae (Sinorhizobium terangae)	1				
Ensifer xinjiangensis (Sinorhizobium xinjiangense)	1				

Genera		Risk g	group		Notes
Species	1	2	3	4	Notes
ENTEROBACTER					
Enterobacter aerogenes = Klebsiella mobilis		2			ht
Enterobacter agglomerans → Pantoea agglomerans					
Enterobacter amnigenus		2			TA
Enterobacter asburiae		2			
Enterobacter cancerogenus (Erwinia cancerogena)		2			
Enterobacter cloacae → Enterobacter cloacae subsp. cloacae					
Enterobacter cloacae subsp. cloacae (Enterobacter cloacae)		2			ht
Enterobacter cloacae subsp. dissolvens					
(Enterobacter dissolvens, Erwinia dissolvens)	1				+, p
Enterobacter cowanii		2			
Enterobacter dissolvens (Erwinia dissolvens)					
→ Enterobacter cloacae subsp. dissolvens					
Enterobacter gergoviae		2			
Enterobacter hormaechei		2			ht
Enterobacter intermedius → Kluyvera intermedia					
Enterobacter kobei		2			
Enterobacter ludwigii		2			
Enterobacter nimipressuralis (Erwinia nimipressuralis)	1	_			р
Enterobacter pyrinus	1				p
Enterobacter radicincitans	1				Р
Enterobacter sakazakii → Cronobacter sakazakii	•				
Enterobacter taylorae – synonym: Enterobacter cancerogenus					
ENTEROCOCCUS					
Enterococcus aquimarinus	1				
Enterococcus asini	1				
Enterococcus avium		2			
Enterococcus caccae	1				
Enterococcus camelliae	1				
Enterococcus canintestini	1				
Enterococcus canis	1				t+
Enterococcus casseliflavus (Streptococcus casseliflavus)		2			
Enterococcus cecorum (Streptococcus cecorum)	1				+
Enterococcus columbae	1				
Enterococcus dispar	•	2			
Enterococcus durans (Streptococcus durans)		2			TA, ht
Enterococcus faecalis (Streptococcus faecalis)		2			171, 110
Enterococcus faecium (Streptococcus faecium)		2			TA
Enterococcus facetum (Streptococcus facetum) Enterococcus flavescens – synonym: Enterococcus casseliflavus		2			111
Enterococcus gallinarum (Streptococcus gallinarum)		2			ht
Enterococcus galiniarum (streptococcus galiniarum) Enterococcus gilvus	1	2			+
9	1				T
Enterococcus haemoperoxidus Enterococcus hermanniensis	1				
Enterococcus hermannensis Enterococcus hirae	1	2			ht
Enterococcus italicus	1	∠			111
	1				
Enterococcus malodoratus	1				
Enterococcus moraviensis	1				
Enterococcus mundtii	1				+
Enterococcus pallens	1				+
Enterococcus phoeniculicola	1				

Genera		Risk	group		N.T.
Species	1	2	3	4	Notes
Enterococcus porcinus – synonym: Enterococcus villorum				<u> </u>	
Enterococcus pseudoavium		2			t
Enterococcus raffinosus		2			
Enterococcus ratti		2			t
Enterococcus saccharolyticus (Streptococcus saccharolyticus)	1				+
Enterococcus saccharominimus – synonym: Enterococcus italicus					
Enterococcus seriolicida – synonym: Lactococcus garvieae					
Enterococcus silesiacus	1				
Enterococcus solitarius → Tetragenococcus solitarius					
Enterococcus sulfureus	1				
Enterococcus termitis	1				
Enterococcus thailandicus	1				
Enterococcus villorum		2			t
ENTEROVIBRIO					
Enterovibrio coralii	1				n
Enterovibrio norvegicus	1				11
TIVE OF THE PARTY					
ENTOMOPLASMA	4				
Entomoplasma ellychniae (Mycoplasma ellychniae)	1				
Entomoplasma freundtii	1				
Entomoplasma lucivorax (Mycoplasma lucivorax)	1				
Entomoplasma luminosum (Mycoplasma luminosum)	1				
Entomoplasma melaleucae (Mycoplasma melaleucae)	1				
Entomoplasma somnilux (Mycoplasma somnilux)	1				
EPERYTHROZOON					
Eperythrozoon coccoides		2			t
Eperythrozoon ovis → Mycoplasma ovis					
Eperythrozoon parvum		2			t
Eperythrozoon suis → Mycoplasma suis					
Eperythrozoon wenyonii → Mycoplasma wenyonii					
EPILITHONIMONAS					
Epilithonimonas tenax	1				
EREMOCOCCUS					
Eremococcus coleocola	1				
ERWINIA					
Erwinia alni → Brenneria alni	1				2
Erwinia amylovora	1				p2
Erwinia ananas → Pantoea ananatis					
Erwinia aphidicola	1				n
Erwinia billingiae	1				p
Erwinia cacticida → Pectobacterium cacticida					
Erwinia cancerogena → Enterobacter cancerogenus	_				
Erwinia carnegieana	1				
Erwinia carotovora subsp. atroseptica					
→ Pectobacterium carotovorum subsp. atrosepticum					
Erwinia carotovora subsp. betavasculorum					
→ Pectobacterium carotovorum subsp. betavasculorum					

C		D:-1-			
Genera Species	4		group	4	Notes
Species The state of the state	1	2	3	4	
Erwinia carotovora subsp. carotovora					
→ Pectobacterium carotovorum subsp. carotovorum					
Erwinia carotovora subsp. odorifera					
→ Pectobacterium carotovorum subsp. odoriferum Erwinia carotovora subsp. wasabiae					
→ Pectobacterium carotovorum subsp. wasabiae					
*					
Erwinia chrysanthemi → Dickeya chrysanthemi	1				_
Erwinia cypripedii = Pectobacterium cypripedii	1				p
Erwinia dissolvens → Enterobacter cloacae subsp. dissolvens					
Erwinia herbicola – synonym: Pantoea agglomerans	1				_
Erwinia mallotivora	1				p
Erwinia milletiae – synonym: Pantoea agglomerans					
Erwinia nigrifluens → Brenneria nigrifluens					
Erwinia nimipressuralis → Enterobacter nimipressuralis	4				
Erwinia papayae	1				p
Erwinia paradisiaca → Dickeya paradisiaca					
Erwinia persicina	1				p
Erwinia psidii	1				p
Erwinia pyrifoliae	1				p
Erwinia quercina → Brenneria quercina					
Erwinia rhapontici	1				p
Erwinia rubrifaciens → Brenneria rubrifaciens					
Erwinia salicis → Brenneria salicis					
Erwinia stewartii → Pantoea stewartii subsp. stewartii					
Erwinia tasmaniensis	1				
Erwinia toletana	1				
Erwinia tracheiphila	1				p
Erwinia uredovora – synonym: Pantoea ananatis					
ERYSIPELOTHRIX					
Erysipelothrix inopinata	1				
Erysipelothrix rhusiopathiae ("Erysipelothrix insidiosa")		2			Z
Erysipelothrix tonsillarum		2			t
ERYTHROBACTER					
Erythrobacter aquimaris	1				
Erythrobacter citreus	1				
Erythrobacter flavus	1				
Erythrobacter gaetbuli	1				
Erythrobacter litoralis	1				
Erythrobacter longus	1				
Erythrobacter luteolus → Altererythrobacter luteolus					
Erythrobacter seohaensis	1				
Erythrobacter vulgaris	1				
ERYTHROMICROBIUM					
Erythromicrobium ramosum	1				

$\textbf{ERYTHROMONAS} \rightarrow \textbf{BLASTOMONAS}$

Erythromonas ursincola ightarrow Blastomonas ursincola

Genera		Rick	group		
Species	1	2	group 3	4	Notes
ESCHERICHIA ESCHERICHIA	1		<u> </u>		
Escherichia adecarboxylata → Leclercia adecarboxylata					
Escherichia albertii		2			ht
Escherichia blattae	1	2			111
Escherichia coli (enterohämorrhagische (EHEC)	1				
Stämme z. B. O157:H7 oder O103)			3(**)		T, Z
Escherichia coli (andere Stämme)		2	٠()		TA, ht
Escherichia fergusonii		2			ht
Escherichia hermannii		2			
Escherichia vulneris		2			
ETHANOLIGENENS					
Ethanoligenens harbinense	1				
EUBACTERIUM					
Eubacterium acidaminophilum	1				
Eubacterium aerofaciens → Collinsella aerofaciens					
Eubacterium aggregans	1				
Eubacterium alactolyticum → Pseudoramibacter alactolyticus	•				
Eubacterium angustum	1				
Eubacterium angustum Eubacterium barkeri (Clostridium barkeri)	1				
Eubacterium barken (clostrellum barken) Eubacterium biforme	1				
Eubacterium brothic	1	2			
Eubacterium budayi	1	2			
Eubacterium callanderi	1				
Eubacterium callulosolvens	1				
Eubacterium combesii	1	2			
Eubacterium contortum		2			
Eubacterium coprostanoligenes	1	_			
Eubacterium cylindroides	1				
Eubacterium desmolans	1				
Eubacterium dolichum	1				
Eubacterium eligens	1				
Eubacterium exiguum → Slackia exigua	-				
Eubacterium fissicatena Eubacterium fissicatena	1				
	1				
Eubacterium formicigenerans → Dorea formicigenerans					
Eubacterium fossor → Atopobium fossor	4				
Eubacterium hadrum	1				
Eubacterium hallii	1	2			
Eubacterium infirmum		2			
Eubacterium lentum → Eggerthella lenta		_			
Eubacterium limosum		2			
Eubacterium minutum		2			
Eubacterium moniliforme		2			
Eubacterium multiforme	1				+
Eubacterium nitritogenes		2			
Eubacterium nodatum		2			
Eubacterium oxidoreducens	1				
Eubacterium plautii (Fusobacterium plauti)	1				
Eubacterium plexicaudatum	1				
Eubacterium pyruvativorans	1				
Eubacterium ramulus	1				

Genera		Risk group			N T = 4 = -
Species	1	2	3	4	Notes
Eubacterium rectale	1				
Eubacterium ruminantium	1				
Eubacterium saburreum	1				+
Eubacterium saphenum		2			
Eubacterium siraeum	1				
Eubacterium suis → Actinobaculum suis					
Eubacterium sulci (Fusobacterium sulci)		2			
Eubacterium tarantellae		2			t
Eubacterium tardum – synonym: Eubacterium minutum					
Eubacterium tenue		2			
Eubacterium timidum → Mogibacterium timidum					
Eubacterium tortuosum		2			ht
Eubacterium uniforme	1				
Eubacterium ventriosum		2			
Eubacterium xylanophilum	1				
Eubacterium yurii subsp. margaretiae		2			
Eubacterium yurii subsp. schtitka		2			
Eubacterium yurii subsp. yurii		2			
, 1 ,					
EWINGELLA					
Ewingella americana		2			
EXCELLOSPORA → ACTINOMADURA					
Excellospora rubrobrunea → Actinomadura rubrobrunea					
Excellospora viridilutea → Actinomadura viridilutea					
•					
EXIGUOBACTERIUM					
Exiguobacterium acetylicum (Brevibacterium acetylicum)	1				
Exiguobacterium aestuarii	1				
Exiguobacterium antarcticum	1				
Exiguobacterium artemiae	1				
Exiguobacterium aurantiacum	1				
Exiguobacterium indicum	1				
Exiguobacterium marinum	1				
Exiguobacterium mexicanum	1				
Exiguobacterium oxidotolerans	1				
Exiguobacterium profundum	1				
Exiguobacterium sibiricum	1				
Exiguobacterium undae	1				
FABIBACTER					
Fabibacter halotolerans	1				
FACKLAMIA		_			
Facklamia hominis		2			
Facklamia ignava		2			
Facklamia languida		2			
Facklamia sourekii	1				+
Facklamia tabacinasalis	1				
FAECALIBACTERIUM		_			
Faecalibacterium prausnitzii (Fusobacterium prausnitzii)		2			

Genera	Risk group					
Species	1	2 3	4	Notes		
$FAENIA \rightarrow SACCHAROPOLYSPORA$						
Faenia rectivirgula → Saccharopolyspora rectivirgula						
FALCIVIBRIO – synonym: MOBILUNCUS						
Falcivibrio grandis		2				
Falcivibrio vaginalis		2				
FANGIA						
Fangia hongkongensis	1					
FERRIBACTERIUM						
Ferribacterium limneticum	1					
FERRIMONAS						
Ferrimonas balearica	1					
Ferrimonas balearica Ferrimonas futtsuensis	1					
	1					
Ferrimonas kyonanensis Ferrimonas marina	1					
Ferrimonas senticii	1					
reminonas senuci	1					
FERROGLOBUS						
Ferroglobus placidus	1					
FERROPLASMA						
Ferroplasma acidiphilum	1					
Ferroplasma cupricumulans	1					
FERVIDOBACTERIUM						
Fervidobacterium changbaicum	1					
Fervidobacterium gondwanense	1					
Fervidobacterium islandicum	1					
Fervidobacterium nodosum	1					
Fervidobacterium pennivorans	1					
FIBROBACTER						
Fibrobacter intestinalis	1					
Fibrobacter succinogenes subsp. elongatus	1					
Fibrobacter succinogenes subsp. succinogenes	_					
(Bacteroides succinogenes)	1					
FILIBACTER						
Filibacter limicola	1					
FILIFACTOR						
Filifactor alocis (Fusobacterium alocis)		2				
Filifactor villosus (Clostridium villosum)	1	2				
	-					
FILOBACILLUS						
Filobacillus milosensis	1					
FILOMICROBIUM						
Filomicrobium fusiforme	1					

Genera		Risk gr	nun		
Species	1	2	3	4	Notes
FINEGOLDIA	1		<u> </u>	-	
Finegoldia magna (Peptococcus magnus, Peptostreptococcus magnus)		2			
FLAGELLIMONAS					
Flagellimonas eckloniae	1				
FLAMMEOVIRGA					
Flammeovirga aprica (Cytophaga aprica)	1				
Flammeovirga arenaria	1				
Flammeovirga kamogawensis	1				
Flammeovirga yaeyamensis	1				
FLAVIMONAS – synonym: PSEUDOMONAS					
Flavimonas oryzihabitans – synonym: Pseudomonas oryzihabitans					
FLAVIRAMULUS					
Flaviramulus basaltis	1				
FLAVISOLIBACTER					
Flavisolibacter ginsengisoli	1				
Flavisolibacter ginsengiterrae	1				
FLAVOBACTERIUM					
Flavobacterium acidificum	1				
Flavobacterium acidurans	1				
Flavobacterium anhuiense	1				
Flavobacterium antarcticum	1				
Flavobacterium aquatile	1				
Flavobacterium aquidurense	1				
Flavobacterium balustinum → Chryseobacterium balustinum					
Flavobacterium branchiophilum	1				t2
Flavobacterium breve → Empedobacter brevis					
Flavobacterium capsulatum → Novosphingobium capsulatum					
Flavobacterium columnare					
(Cytophaga columnaris, Flexibacter columnaris)	1				t2
Flavobacterium croceum	1				
Flavobacterium cucumis	1				
Flavobacterium daejeonense	1				
Flavobacterium defluvii	1				
Flavobacterium degerlachei	1				
Flavobacterium denitrificans	1				
Flavobacterium devorans	1				
Flavobacterium esteraromaticum → Microbacterium esteraromaticum					
Flavobacterium ferrugineum → Terrimonas ferruginea					
Flavobacterium filum	1				
Flavobacterium flevense (Cytophaga flevensis)	1				
Flavobacterium frigidarium	1				
Flavobacterium frigidimaris	1				
Flavobacterium frigoris	1				
Flavobacterium fryxellicola	1				
Flavobacterium gelidilacus	1				
Flavobacterium gillisiae	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Flavobacterium glaciei	1				
Flavobacterium gleum → Chryseobacterium gleum					
Flavobacterium gondwanense → Psychroflexus gondwanensis					
Flavobacterium granuli	1				
Flavobacterium halmephilum → Halomonas halmophila					
Flavobacterium heparinum → Pedobacter heparinus					
Flavobacterium hercynium	1				
Flavobacterium hibernum	1				
Flavobacterium hydatis (Cytophaga aquatilis)	1				t2
Flavobacterium indologenes → Chryseobacterium indologenes					
Flavobacterium indoltheticum → Chryseobacterium indoltheticum					
Flavobacterium johnsoniae (Cytophaga johnsonae)	1				t2
Flavobacterium limicola	1				
Flavobacterium lindanitolerans	1				
Flavobacterium marinotypicum → Microbacterium maritypicum					
Flavobacterium meningosepticum					
→ Elizabethkingia meningoseptica					
Flavobacterium micromati	1				
Flavobacterium mizutaii (Sphingobacterium mizutae)	1				+
Flavobacterium multivorum → Sphingobacterium multivorum					
Flavobacterium oceanosedimentum	1				
Flavobacterium odoratum → Myroides odoratus					
Flavobacterium okeanokoites → Planomicrobium okeanokoites					
Flavobacterium omnivorum	1				
Flavobacterium pectinovorum (Cytophaga pectinovora)	1				
Flavobacterium psychrolimnae	1				
Flavobacterium psychrophilum					
(Cytophaga psychrophila, Flexibacter psychrophilus)	1				t2
Flavobacterium resinovorum → Novosphingobium resinovorum					
Flavobacterium saccharophilum (Cytophaga saccharophila)	1				
Flavobacterium salegens → Salegentibacter salegens					
Flavobacterium saliperosum	1				
Flavobacterium scophthalmum → Chryseobacterium scophthalmum					
Flavobacterium segetis	1				
Flavobacterium soli	1				
Flavobacterium spiritivorum → Sphingobacterium spiritivorum					
Flavobacterium succinicans (Cytophaga succinicans)	1				
Flavobacterium suncheonense	1				
Flavobacterium tegetincola	1				
Flavobacterium terrae	1				
Flavobacterium terrigena	1				
Flavobacterium thalpophilum → Sphingobacterium thalpophilum					
Flavobacterium thermophilum	1				
Flavobacterium uliginosum → Zobellia uliginosa					
Flavobacterium weaverense	1				
Flavobacterium xanthum	1				
Flavobacterium xinjiangense	1				
Flavobacterium yabuuchiae – synonym: Sphingobacterium spiritivorum					

FLECTOBACILLUS

Flectobacillus glomeratus \rightarrow Polaribacter glomeratus

Genera		Risk group		
Species	1	2 3	4	Notes
Flectobacillus lacus	1			
Flectobacillus major	1			
Flectobacillus marinus → Cyclobacterium marinum				
FLEXIBACTER				
Flexibacter aggregans – synonym: Flexithrix dorotheae				
Flexibacter aurantiacus	1			
Flexibacter canadensis	1			
Flexibacter columnaris → Flavobacterium columnare				
Flexibacter elegans	1			
Flexibacter filiformis → Chitinophaga filiformis				
Flexibacter flexilis	1			
Flexibacter japonensis → Chitinophaga japonensis				
Flexibacter litoralis	1			
Flexibacter maritimus → Tenacibaculum maritimum				
Flexibacter ovolyticus → Tenacibaculum ovolyticum				
Flexibacter polymorphus	1			
Flexibacter psychrophilus → Flavobacterium psychrophilum				
Flexibacter roseolus	1			
Flexibacter ruber	1			
Flexibacter sancti → Chitinophaga sancti				
Flexibacter tractuosus	1			
FLEXISTIPES				
Flexistipes sinusarabici	1			
FLEXITHRIX				
Flexithrix dorotheae	1			
FLUORIBACTER				
Fluoribacter bozemanae (Legionella bozemanii)		2		
Fluoribacter dumoffii (Legionella dumoffii)		2		
Fluoribacter gormanii (Legionella gormanii)		2		
(-18)		_		
FLUVIICOLA				
Fluviicola taffensis	1			
TODDINGOI A				
FODINICOLA	1			
Fodinicola feengrottensis	1			
FORMIVIBRIO				
Formivibrio citricus	1			
FORMOSA				
Formosa agariphila	1			
Formosa algae	1			
FRANCISELLA				
Francisella novicida		2		
Francisella philomiragia (Yersinia philomiragia)		<u>_</u>		
→ Francisella philomiragia subsp. philomiragia				
Francisella philomiragia subsp. noatunensis	1			t2
1 0	-			-

Genera	Risk group					
Species	1	2	3	4	Notes	
Francisella philomiragia subsp. philomiragia			<u> </u>			
(Yersinia philomiragia, Francisella philomiragia)		2				
Francisella piscicida	1	_			t2	
Francisella tularensis subsp. holarctica	_	2			$\overline{\mathbf{z}}$	
Francisella tularensis subsp. mediasiatica		2			$\overline{\mathbf{z}}$	
Francisella tularensis subsp. tularensis		_	3		$\overline{\mathbf{z}}$	
FRANKIA						
Frankia alni	1					
FRATEURIA						
Frateuria aurantia	1					
EDIEDMANNIELLA						
FRIEDMANNIELLA	4					
Friedmanniella antarctica	1					
Friedmanniella capsulata	1					
Friedmanniella lacustris	1					
Friedmanniella spumicola	1					
FRIGORIBACTERIUM						
Frigoribacterium faeni	1					
rngonbactenum taem	1					
FRONDICOLA						
Frondicola australicus	1					
	-					
FULVIBACTER						
Fulvibacter tottoriensis	1					
FULVIMARINA						
Fulvimarina pelagi	1					
FILLMANAONAO						
FULVIMONAS	4					
Fulvimonas soli	1					
FULVIVIRGA						
Fulvivirga kasyanovii	1					
i divivilga kasyanovii	1					
$FUNDIBACTER \rightarrow ALCANIVORAX$						
Fundibacter jadensis → Alcanivorax jadensis						
r didibacter jadenois / riteanivorax jadenois						
FUSIBACTER						
Fusibacter paucivorans	1					
•						
FUSOBACTERIUM						
Fusobacterium alocis → Filifactor alocis						
Fusobacterium canifelinum		2			Z	
Fusobacterium equinum		2			t	
Fusobacterium gonidiaformans		2				
Fusobacterium mortiferum		2				
Fusobacterium naviforme		2			ht	
Fusobacterium necrogenes		2				
Fusobacterium necrophorum subsp. funduliforme		2			ht	
Fusobacterium necrophorum subsp. necrophorum		2			ht	

Genera		Risk g	oroun		
Species	1	2	3	4	Notes
Fusobacterium nucleatum subsp. animalis	<u> </u>	2			
Fusobacterium nucleatum subsp. fusiforme		2			
Fusobacterium nucleatum subsp. nucleatum		2			
Fusobacterium nucleatum subsp. polymorphum		2			
Fusobacterium nucleatum subsp. vincentii		2			
Fusobacterium perfoetens	1				+
Fusobacterium periodonticum		2			
Fusobacterium plauti → Eubacterium plautii					
Fusobacterium polysaccharolyticum					
→ Clostridium polysaccharolyticum					
Fusobacterium prausnitzii → Faecalibacterium prausnitzii					
Fusobacterium pseudonecrophorum – synonym: Fusobacterium varium					
Fusobacterium russii		2			
Fusobacterium simiae	1				
Fusobacterium sulci → Eubacterium sulci					
Fusobacterium ulcerans		2			
Fusobacterium varium		2			ht
GAETBULIBACTER					
Gaetbulibacter marinus	1				
Gaetbulibacter saemankumensis	1				
GAETBULIMICROBIUM \rightarrow AQUIMARINA					
Gaetbulimicrobium brevivitae → Aquimarina brevivitae					
GALBIBACTER					
Galbibacter mesophilus	1				
Galoloacter mesopinius	1				
GALLIBACTERIUM					
Gallibacterium anatis (Pasteurella anatis)		2			t
,					
GALLICOLA					
Gallicola barnesae (Peptostreptococcus barnesae)	1				+
GALLIONELLA					
Gallionella ferruginea	1				
CARCIELLA					
GARCIELLA	1				
Garciella nitratireducens	1				
GARDNERELLA					
Gardnerella vaginalis (Haemophilus vaginalis)		2			
Cardiferent vaginano (Facinopinas vaginano)		-			
GELIDIBACTER					
Gelidibacter algens	1				
Gelidibacter gilvus	1				
Gelidibacter mesophilus	1				
Gelidibacter salicanalis	1				
GELRIA					
Gelria glutamica	1				
CEMELLA					
GEMELLA					

Genera		Risk group				
Species	1	2	3	4	Notes	
Gemella bergeri		2		•		
Gemella cuniculi		2			t	
Gemella haemolysans		2			C	
Gemella morbillorum (Streptococcus morbillorum)		2				
Gemella palaticanis	1	2				
Gemella sanguinis	1	2				
omoni singumi		_				
GEMMATA						
Gemmata obscuriglobus	1					
GEMMATIMONAS						
Gemmatimonas aurantiaca	1					
GEMMIGER						
Gemmiger formicilis	1					
GEMMOBACTER						
Gemmobacter aquatilis	1					
GEOALKALIBACTER						
Geoalkalibacter ferrihydriticus	1					
GEOBACILLUS						
Geobacillus caldoxylosilyticus (Saccharococcus caldoxylosilyticus)	1					
Geobacillus jurassicus	1					
Geobacillus kaustophilus (Bacillus kaustophilus)	1					
Geobacillus lituanicus	1					
Geobacillus pallidus (Bacillus pallidus)	1					
Geobacillus stearothermophilus (Bacillus stearothermophilus)	1					
Geobacillus subterraneus	1					
Geobacillus tepidamans	1					
Geobacillus thermocatenulatus (Bacillus thermocatenulatus)	1					
Geobacillus thermodenitrificans (Bacillus thermodenitrificans)	1					
Geobacillus thermoglucosidasius (Bacillus thermoglucosidasius)	1					
Geobacillus thermoleovorans (Bacillus thermoleovorans)	1					
Geobacillus toebii	1					
Geobacillus uzenensis	1					
Geobacillus vulcani (Bacillus vulcani)	1					
GEOBACTER						
Geobacter argillaceus	1					
Geobacter bemidjiensis	1					
Geobacter bremensis	1					
Geobacter chapellei	1					
Geobacter grbiciae	1					
Geobacter hydrogenophilus	1					
Geobacter metallireducens	1					
Geobacter pelophilus	1					
Geobacter pickeringii	1					
Geobacter psychrophilus	1					
Geobacter sulfurreducens	1					
Geobacter thiogenes (Trichlorobacter thiogenes)	1					
Geobacter unaniireducens	1					
	-					

Genera		Pielz oroup	-	
Species	1	Risk group 2 3	4	Notes
<u>-</u>	1	2 3		
GEODERMATOPHILUS				
Geodermatophilus obscurus	1			
GEOGLOBUS	4			
Geoglobus ahangari	1			
GEOPSYCHROBACTER				
Geopsychrobacter electrodiphilus	1			
GEORGENIA				
Georgenia muralis	1			
Georgenia ruanii	1			
GEOSPOROBACTER				
Geosporobacter subterraneus	1			
GEOTHERMOBACTER				
Geothermobacter ehrlichii	1			
GEOTHRIX				
Geothrix fermentans	1			
GEOTOGA				
Geotoga petraea	1			
Geotoga subterranea	1			
Geotoga weaveri	1			
GEOVIBRIO				
Geovibrio ferrireducens	1			
Geovibrio thiophilus	1			
GIESBERGERIA	1			
Giesbergeria anulus (Aquaspirillum anulus) Giesbergeria giesbergeri (Aquaspirillum giesbergeri)	1 1			
Giesbergeria kuznetsovii	1			
Giesbergeria sinuosa (Aquaspirillum sinuosum)	1			
Giesbergeria voronezhensis	1			
GILLISIA	1			
Gillisia hiemivivida Gillisia illustrilutea	1 1			
Gillisia limnaea	1			
Gillisia mitskevichiae	1			
Gillisia myxillae	1			
Gillisia sandarakina	1			
GILVIBACTER				
Gilvibacter sediminis	1			
	<u>.</u>			
GLACIECOLA				
Glaciecola agarilytica	1			
Glaciecola chathamensis	1			
Glaciecola mesophila	1			

Genera		Risk group				
Species	1	2	3	4	Notes	
Glaciecola nitratireducens	1					
Glaciecola pallidula	1					
Glaciecola polaris	1					
Glaciecola psychrophila	1					
Glaciecola punicea	1					
Omerceom partices	1					
GLOBICATELLA						
Globicatella sanguinis		2			ht	
Globicatella sulfidifaciens		2			t	
CLUCONA OPHODA CHIED						
GLUCONACETOBACTER						
Gluconacetobacter azotocaptans	1					
Gluconacetobacter diazotrophicus (Acetobacter diazotrophicus)	1					
Gluconacetobacter entanii	1					
Gluconacetobacter europaeus (Acetobacter europaeus)	1					
Gluconacetobacter hansenii (Acetobacter hansenii)	1					
Gluconacetobacter intermedius (Acetobacter intermedius)	1					
Gluconacetobacter johannae	1					
Gluconacetobacter kombuchae	1					
Gluconacetobacter liquefaciens						
(Acetobacter aceti subsp. liquefaciens, Acetobacter liquefaciens)	1					
Gluconacetobacter nataicola	1					
Gluconacetobacter oboediens (Acetobacter oboediens)	1					
Gluconacetobacter rhaeticus	1					
Gluconacetobacter sacchari	1					
Gluconacetobacter saccharivorans	1					
Gluconacetobacter swingsii	1					
Gluconacetobacter xylinus subsp. sucrofermentans (Acetobacter xylinus subsp. sucrofermentans)	1					
Gluconacetobacter xylinus subsp. xylinus						
(Acetobacter aceti subsp. xylinus, Acetobacter xylinus susp. xylinus)	1					
GLUCONOBACTER						
Gluconobacter albidus	1					
Gluconobacter asaii – synonym: Gluconobacter cerinus	1					
Gluconobacter asaii – synonym. Gluconobacter cerinus	1					
Gluconobacter frateurii	1					
Gluconobacter oxidans subsp. industrius	1					
Gluconobacter oxidans subsp. melanogenes	1					
Gluconobacter oxidans subsp. melanogenes Gluconobacter oxidans subsp. oxidans	1					
•	1					
Gluconobacter oxidans subsp. sphaericus						
Gluconobacter oxidans subsp. suboxidans Gluconobacter thailandicus	1 1					
Giuconobacter (nanandicus	1					
GLYCOMYCES						
Glycomyces algeriensis	1					
Glycomyces arizonensis	1					
Glycomyces harbinensis	1					
Glycomyces lechevalierae	1					
Glycomyces rutgersensis	1					
Glycomyces sambucus	1					
	1					

Genera		Risk	group		Notes	
Species	1	2	3	4	Notes	
GOODFELLOWIELLA						
Goodfellowiella coeruleoviolacea						
(Saccharothrix coeruleoviolacea, Actinomadura coeruleoviolacea)	1					
GORDONIA						
Gordonia aichiensis (Rhodococcus aichiensis)		2				
Gordonia alkanivorans	1					
Gordonia amarae (Nocardia amarae)	1					
Gordonia amicalis	1					
Gordonia araii	1				+	
Gordonia bronchialis (Rhodococcus bronchialis)		2				
Gordonia defluvii	1					
Gordonia desulfuricans	1					
Gordonia effusa	1				+	
Gordonia hirsuta	1					
Gordonia hydrophobica	1					
Gordonia malaquae	1					
Gordonia namibiensis	1					
Gordonia nitida – synonym: Gordonia alkanivorans	1					
Gordonia otitidis		2				
Gordonia paraffinivorans	1	2				
Gordonia polyisoprenivorans	1					
Gordonia rhizosphera	1					
Gordonia rubripertincta (Rhodococcus rubropertinctus)	1					
Gordonia shandongensis	1					
Gordonia shandongensis Gordonia sihwensis						
Gordonia sinwensis Gordonia sinesedis	1					
	1					
Gordonia soli	1	2				
Gordonia sputi (Rhodococcus sputi)		2				
Gordonia terrae (Rhodococcus terrae)	4	2				
Gordonia westfalica	1					
GRACILIBACILLUS						
Gracilibacillus boraciitolerans	1					
Gracilibacillus dipsosauri (Bacillus dipsosauri)	1					
Gracilibacillus halotolerans	1					
Gracilibacillus orientalis	1					
GRACILIBACTER						
Gracilibacter thermotolerans	1					
$GRAHAMELLA \rightarrow BARTONELLA$						
Grahamella peromysci → Bartonella peromysci						
Grahamella talpae → Bartonella talpae						
GRAMELLA						
Gramella echinicola	1					
Gramella portivictoriae	1					
potential potential	1					
GRANULIBACTER						
Granulibacter bethesdensis	1				+	

Genera		Risk group		Notes
Species	1	2 3	4	Notes
Granulicatella adiacens (Streptococcus adjacens, Abiotrophia adiacens)		2		
Granulicatella elegans (Abiotrophia elegans)		2		
GRANULICOCCUS				
Granulicoccus phenolivorans	1			
GRANULOSICOCCUS				
Granulosicoccus antarcticus	1			
GRIMONTIA				
Grimontia hollisae (Vibrio hollisae)		2		Z
GUGGENHEIMELLA				
Guggenheimella bovis		2		t
GULBENKIANIA				
Gulbenkiania mobilis	1			
GULOSIBACTER				
Gulosibacter molinativorax	1			
HAEMATOBACTER				
Haematobacter massiliensis (Rhodobacter massiliensis)	1			+
Haematobacter missouriensis	1			+
HAEMOBARTONELLA				
Haemobartonella canis		2		t
Haemobartonella felis → Mycoplasma haemofelis				
Haemobartonella muris → Mycoplasma haemomuris				
HAEMOPHILUS				
Haemophilus actinomycetemcomitans				
→ Aggregatibacter actinomycetemcomitans				
Haemophilus aegyptius		2		
Haemophilus aphrophilus → Aggregatibacter aphrophilus				
Haemophilus avium → Avibacterium avium				
Haemophilus ducreyi		2		
Haemophilus equigenitalis → Taylorella equigenitalis				
Haemophilus felis		2		t
Haemophilus haemoglobinophilus		2		
Haemophilus haemolyticus	1			+
Haemophilus influenzae		2		
Haemophilus paracuniculus		2		t
Haemophilus paragallinarum → Avibacterium paragallinarum				
Haemophilus parahaemolyticus		2		
Haemophilus parainfluenzae		2		
Haemophilus paraphrohaemolyticus		2		
Haemophilus paraphrophilus – synonym: Haemophilus aphrophilus		_		
→ Aggregatibacter aphrophilus				
Haemophilus parasuis		2		t
Haemophilus piscium		2		t
		2		

Genera		Risk	group		
Species	1	2	3	4	Notes
Haemophilus pleuropneumoniae → Actinobacillus pleuropneumoniae					
Haemophilus segnis → Aggregatibacter segnis					
Haemophilus vaginalis → Gardnerella vaginalis					
Tracinopinus vaginans / Gardierena vaginans					
HAFNIA					
Hafnia alvei		2			TA, ht
HAHELLA					
Hahella antarctica	1				
Hahella chejuensis	1				
Hahella ganghwensis	1				
HALADAPTATUS	1				
Haladaptatus paucihalophilus	1				
HALALKALIBACILLUS					
Halalkalibacillus halophilus	1				
HALALKALICOCCUS					
Halalkalicoccus jeotgali	1				
Halalkalicoccus tibetensis	1				
HALANAEROBACTER					
Halanaerobacter chitinivorans	1				
Halanaerobacter lacunarum (Halobacteroides lacunaris)	1				
Halanaerobacter salinarius	1				
Thanker obacter oamherdo					
HALANAEROBIUM					
Halanaerobium acetethylicum (Halobacteroides acetoethylicus)	1				
Halanaerobium alcaliphilum	1				
Halanaerobium congolense	1				
Halanaerobium fermentans	1				
Halanaerobium kushneri	1				
Halanaerobium lacusrosei	1				
Halanaerobium praevalens	1				
Halanaerobium saccharolyticum subsp. saccharolyticum	1				
(Haloincola saccharolyticus subsp. saccharolyticus) Halanaerobium saccharolyticum subsp. senegalensis	1				
(Haloincola saccharolyticus subsp. senegalensis)	1				
Halanaerobium salsuginis	1				
-					
HALIANGIUM					
Haliangium ochraceum	1				
Haliangium tepidum	1				
HALIEA					
Haliea salexigens	1				
HALISCOMENOBACTER					
Haliscomenobacter hydrossis	1				
HALLELLA					
Hallella seregens		2			
Trancha scregoris		4			

Genera			Natas		
Species	1	2	group 3	4	Notes
HALOADCH A					
HALOARCULA	1				
Haloarcula amylolytica	1				
Haloarcula argentinensis	1				
Haloareula hispanica	1				
Haloarcula japonica Haloarcula marismortui	1 1				
	1				
Haloarcula mukohataei → Halomicrobium mukohataei	1				
Haloarcula quadrata	1 1				
Haloarcula vallismortis (Halobacterium vallismortis)	1				
HALOBACILLUS					
Halobacillus aidingensis	1				
Halobacillus alkaliphilus	1				
Halobacillus campisalis	1				
Halobacillus dabanensis	1				
Halobacillus faecis	1				
Halobacillus halophilus (Sporosarcina halophila)	1				
Halobacillus karajensis	1				
Halobacillus kuroshimensis	1				
Halobacillus litoralis	1				
Halobacillus locisalis	1				
Halobacillus mangrovi	1				
Halobacillus profundi	1				
Halobacillus salinus	1				
Halobacillus seohaensis	1				
Halobacillus trueperi	1				
Halobacillus yeomjeoni	1				
HALOBACTERIUM					
Halobacterium cutirubrum	1				
Halobacterium denitrificans → Haloferax denitrificans					
Halobacterium distributum → Halorubrum distributum					
Halobacterium balobium	1				
Halobacterium jilantaiense	1				
Halobacterium lacusprofundi → Halorubrum lacusprofundi					
Halobacterium mediterranei → Haloferax mediterranei					
Halobacterium meaterranet → Haiojerax meatterranet Halobacterium noricense	1				
	1				
Halobacterium pharaonis → Natronomonas pharaonis					
Halobacterium saccharovorum → Halorubrum saccharovorum	4				
Halobacterium salinarum	1				
$Halobacterium$ sodomense \rightarrow $Halorubrum$ sodomense					
Halobacterium trapanicum → Halorubrum trapanicum					
Halobacterium vallismortis → Haloarcula vallismortis					
Halobacterium volcanii → Haloferax volcanii					
HALOBACTEROIDES					
Halobacteroides acetoethylicus → Halanaerobium acetethylicum					
Halobacteroides elegans	1				
Halobacteroides halobius	1				

Halobacteroides lacunaris \rightarrow Halanaerobacter lacunarum

Genera		Risk g	roup		
Species	1	2	3	4	Notes
HALOBACULUM					
Halobaculum gomorrense	1				
HALOBIFORMA					
Halobiforma haloterrestris	1				
Halobiforma lacisalsi	1				
Halohiforma nitratireducens (Natronobacterium nitratireducens)	1				
HALOCELLA					
Halocella cellulosilytica	1				
HALOCHROMATIUM					
Halochromatium glycolicum (Chromatium glycolicum)	1				
Halochromatium roseum	1				
Halochromatium salexigens (Chromatium salexigens)	1				
Traioentomatum saterigens (Chromatum saterigens)	1				
HALOCOCCUS					
Halococcus dombrowskii	1				
Halococcus hamelinensis	1				
Halococcus morrhuae	1				
Halococcus qingdaonensis	1				
Halococcus saccharolyticus	1				
Halococcus salifodinae	1				
Halococcus thailandensis	1				
Halococcus turkmenicus → Haloterrigena turkmenica					
HALOFERAX					
Haloferax alexandrinus	1				
Haloferax denitrificans (Halobacterium denitrificans)	1				
Haloferax elongans	1				
Haloferax gibbonsii	1				
Haloferax larsenii	1				
Haloferax lucentensis	1				
Haloferax mediterranei (Halobacterium mediterranei)	1				
Haloferax mucosum	1				
Haloferax prahovense	1				
Haloferax sulfurifontis	1				
Haloferax volcanii (Halobacterium volcanii)	1				
HALOGEOMETRICUM					
Halogeometricum borinquense	1				
o	-				
${\bf HALOINCOLA} \rightarrow {\bf HALANAEROBIUM}$					
Haloincola saccharolyticus subsp. saccharolyticus					
\rightarrow Halanaerobium saccharolyticum subsp. saccharolyticum					
Haloincola saccharolyticus subsp. senegalensis					
→ Halanaerobium saccharolyticum subsp. senegalensis					
HALOLACTIBACILLUS					
Halolactibacillus halophilus	1				
Halolactibacillus miurensis	1				

Genera		Risk group			Notes
Species	1	2	3	4	Notes
HALOMETHANOCOCCUS					
Halomethanococcus doii	1				
HALOMICROBIUM					
Halomicrobium mukohataei (Haloarcula mukohataei)	1				
HALOMONAS					
Halomonas alimentaria	1				
Halomonas alkaliphila	1				
Halomonas almeriensis	1				
Halomonas anticariensis	1				
Halomonas aquamarina (Alcaligenes aquamarinus, Deleya aquamarina)	1				n
Halomonas arcis	1				
Halomonas avicenniae	1				
Halomonas axialensis	1				
Halomonas boliviensis	1				
Halomonas campaniensis	1				
Halomonas campisalis	1				
Halomonas canadensis → Chromohalobacter canadensis					
Halomonas caseinilytica	1				
Halomonas cerina	1				
Halomonas cupida (Alcaligenes cupidus, Deleya cupida)	1				
Halomonas denitrificans	1				
Halomonas desiderata	1				
Halomonas elongata	1				
Halomonas eurihalina (Volcaniella eurihalina)	1				
Halomonas gomseomensis	1				
Halomonas gudaonensis	1				
Halomonas halmophila (Flavobacterium halmephilum)	1				
Halomonas halocynthiae	1				
Halomonas halodenitrificans (Paracoccus halodenitrificans)	1				
Halomonas halodurans	1				
Halomonas halophila (Deleya halophila)	1				
Halomonas hydrothermalis	1				
Halomonas indalinina	1				
Halomonas israelensis → Chromohalobacter israelensis					
Halomonas janggokensis	1				
Halomonas kenyensis	1				
Halomonas koreensis	1				
Halomonas kribbensis	1				
Halomonas magadiensis	1				
Halomonas marina → Cobetia marina					
Halomonas marisflavi	1				
Halomonas maura	1				
Halomonas meridiana	1				
Halomonas mongoliensis	1				
Halomonas muralis	1				
Halomonas neptunia	1				
Halomonas nitroreducens	1				
Halomonas organivorans	1				
Halomonas pacifica (Alcaligenes pacificus, Deleya pacifica)	1				
Halomonas pantelleriensis	1				

Genera		Risk	group		NT ·
Species	1	2	3	4	Notes
Halomonas sabkhae	1			<u> </u>	
Halomonas saccharevitans	1				
Halomonas salaria	1				
Halomonas salina (Deleya salina)	1				
Halomonas shengliensis	1				
Halomonas subglaciescola	1				
Halomonas subterranea	1				
Halomonas sulfidaeris	1				
Halomonas taeanensis	1				
Halomonas ventosae	1				
Halomonas venusta (Alcaligenes venustus, Deleya venusta)	1				
HALONATRONUM					
	1				
Halonatronum saccharophilum	1				
HALOPIGER					
Halopiger xanaduensis	1				
HALOPLANUS					
Haloplanus natans	1				
HALOQUADRATUM					
Haloquadratum walshyi	1				
HALORHABDUS					
Halorhabdus tiamatea	1				
Halorhabdus utahensis	1				
HALORHODOSPIRA					
Halorhodospira abdelmalekii (Ectothiorhodospira abdelmalekii)	1				
· · · · · · · · · · · · · · · · · · ·	1				
Halorhodospira halochloris (Ectothiorhodospira halochloris)					
Halorhodospira halophila (Ectothiorhodospira halophila)	1				
Halorhodospira neutriphila	1				
HALORUBROBACTERIUM = HALORUBRUM					
Halorubrobacterium coriense – synonym: Halorubrum coriense					
Halorubrobacterium distributum – synonym: Halorubrum distributum					
Halorubrobacterium lacusprofundi = Halorubrum lacusprofundi	1				
Halorubrobacterium saccharovorum = Halorubrum saccharovorum	1				
Halorubrobacterium sodomense = Halorubrum sodomense	1				
HALORUBRUM					
Halorubrum aidingense	1				
Halorubrum alkaliphilum	1				
Halorubrum arcis	1				
Halorubrum coriense	1				
Halorubrum distributum					
(Halobacterium distributum, Halorubrobacterium distributum)	1				
Halorubrum ejinorense	1				
Halorubrum ezzemoulense	1				
Halorubrum lacusprofundi (Halobacterium lacusprofundi)					
= Halorubrobacterium lacusprofundi	1				
Halorubrum lipolyticum	1				

Genera		Risk group		* T
Species	1	2 3	4	Notes
Halorubrum litoreum	1			
Halorubrum luteum	1			
Halorubrum orientale	1			
Halorubrum saccharovorum (Halobacterium saccharovorum) = Halorubrobacterium saccharovorum	1			
– 11atorubrobatterium sattharovorum Halorubrum sodomense (Halobacterium sodomense)	1			
= Halorubrobacterium sodomense	1			
Halorubrum tebenquichense	1			
Halorubrum terrestre	1			
Halorubrum tibetense	1			
Halorubrum trapanicum (Halobacterium trapanicum)	1			
Halorubrum vacuolatum (Natronobacterium vacuolatum)	1			
Halorubrum xinjiangense	1			
HALOSARCINA				
Halosarcina pallida	1			
HALOSIMPLEX				
Halosimplex carlsbadense	1			
HALOSPINA				
Halospina denitrificans	1			
HALOSTAGNICOLA				
Halostagnicola larsenii	1			
HALOTALEA				
Halotalea alkalilenta	1			
HALOTERRIGENA				
Haloterrigena hispanica	1			
Haloterrigena limicola	1			
Haloterrigena longa	1			
Haloterrigena saccharevitans	1			
Haloterrigena thermotolerans	1			
Haloterrigena turkmenica (Halococcus turkmenicus)	1			
HALOTHERMOTHRIX				
Halothermothrix orenii	1			
HALOTHIOBACILLUS				
Halothiobacillus halophilus (Thiobacillus halophilus)	1			
Halothiobacillus hydrothermalis (Thiobacillus hydrothermalis)	1			
Halothiobacillus kellyi	1			
Halothiobacillus neapolitanus (Thiobacillus neapolitanus)	1			
HALOVIBRIO				
Halovibrio denitrificans	1			
Halovibrio variabilis	1			
HALOVIVAX				
Halovivax asiaticus	1			
Halovivax ruber	1			

Genera		Risk g	group		NT - 4
Species	1	2	3	4	Notes
HAPLOANGIUM					
Haploangium minus (Polyangium minor)	1				
Haploangium rugiseptum (Polyangium rugiseptum)	1				
HELCOCOCCUS					
Helcococcus kunzii		2			
Helcococcus ovis		2			t
Helcococcus sueciensis	1				+
HELICOBACTER					
Helicobacter acinonychis		2			t
Helicobacter aurati		2			t
Helicobacter bilis		2			t
Helicobacter bizzozeronii		2			ht
Helicobacter canadensis		2			ht
Helicobacter canis		2			ht
Helicobacter cetorum		2			t
Helicobacter cholecystus		2			t
Helicobacter cinaedi (Campylobacter cinaedi)		2			ht
Helicobacter felis		2^{G}			ht
Helicobacter fennelliae (Campylobacter fennelliae)		2			110
Helicobacter hepaticus		2			t
Helicobacter marmotae		2			t
Helicobacter mastomyrinus	1	4			t+
Helicobacter mesocricetorum	1				
Helicobacter muridarum	1	2			t
Helicobacter mustelae		4			ι
(Campylobacter pylori subsp. mustelae, Campylobacter mustelae)		2			t
Helicobacter nemestrinae – synonym: Helicobacter pylori		_			C
Helicobacter pametensis	1				
Helicobacter pullorum	1	2			ht
Helicobacter pylori		4			110
(Campylobacter pylori subsp. pylori, Campylobacter pylori)		2			
Helicobacter rodentium		2			t
Helicobacter salomonis	1	_			C
Helicobacter suis	1	2			Z
Helicobacter trogontum	1	_			t+
Helicobacter typhlonius	1	2			t
HELIOBACILLUS					
Heliobacillus mobilis	1				
HELIOBACTERIUM					
Heliobacterium chlorum	1				
Heliobacterium gestii	1				
Heliobacterium modesticaldum	1				
Heliobacterium sulfidophilum	1				
Heliobacterium undosum	1				
HELIOPHILUM					
Heliophilum fasciatum	1				
1					

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk group		
Species	1	2 3	4	Notes
HELIORESTIS				
Heliorestis baculata	1			
Heliorestis daurensis	1			
HELIOTHRIX				
Heliothrix oregonensis	1			
HERBASPIRILLUM				
Herbaspirillum autotrophicum (Aquaspirillum autotrophicum)	1			
Herbaspirillum chlorophenolicum	1			
Herbaspirillum frisingense	1			
Herbaspirillum hiltneri	1			
Herbaspirillum huttiense (Pseudomonas huttiensis)	1			
Herbaspirillum lusitanum	1			
Herbaspirillum putei	1			
Herbaspirillum rhizosphaerae	1			
Herbaspirillum rubrisubalbicans (Pseudomonas rubrisubalbicans)	1			p
Herbaspirillum seropedicae	1			
HERBIDOSPORA				
Herbidospora cretacea	1			
HERMINIIMONAS				
Herminiimonas aquatilis	1			
Herminiimonas arsenicoxydans	1			
Herminiimonas fonticola	1			
Herminiimonas saxobsidens	1			
HERPETOSIPHON				
Herpetosiphon aurantiacus	1			
Herpetosiphon cohaerens → Lewinella cohaerens				
Herpetosiphon geysericola	1			
Herpetosiphon nigricans → Lewinella nigricans				
Herpetosiphon persicus → Lewinella persicus				
HESPELLIA				
Hespellia porcina	1			
Hespellia stercorisuis	1			
HIPPEA				
Hippea maritima	1			
пррса папина	1			
HIRSCHIA				
Hirschia baltica	1			
HISTOPHILUS				
Histophilus somni		2		t
HOEFLEA				
Hoeflea alexandrii	1			
Hoeflea marina	1			
Hoeflea phototrophica	1			
1 1				

Genera		Not			
Species	1	2	group 3	4	Notes
HOLDEMANIA					
Holdemania filiformis	1				
HOLLANDINA					
Hollandina pterotermitidis	1				
HOLOPHAGA Holophaga foetida	1				
HOLOSPORA	1				
Holospora caryophila	1 1				
Holospora elegans	1				
Holospora obtusa Holospora undulata	1				
Troiospora unumata	1				
$HONGIA \rightarrow KRIBELLA$					
Hongia koreensis → Kribella koreensis					
HONGIELLA → ALGORIPHAGUS					
Hongiella halophila → Algoriphagus halophilus					
Hongiella mannitolivorans → Algoriphagus mannitolivorans					
Hongiella marincola → Algoriphagus marincola					
Hongiella ornithinivorans → Algoriphagus ornithinivorans					
HOWARDELLA					
Howardella ureilytica	1				
HUMIBACILLUS					
Humibacillus xanthopallidus	1				
HUMIBACTER					
Humibacter albus	1				
HUMICOCCUS	4				
Humicoccus flavidus	1				
HUMIHABITANS					
Humihabitans oryzae	1				
HYALANGIUM					
Hyalangium minutum	1				
HYDROCARBONIPHAGA					
Hydrocarboniphaga effusa	1				
rrydrocarbonipnaga errusa	1				
HYDROGENIMONAS					
Hydrogenimonas thermophila	1				
HYDROGENIVIRGA					
Hydrogenivirga caldilitoris	1				
Trydrogenivinga caldintoris					

Genera		Risk group		
Species	1	2 3	4	Notes
HYDROGENOBACTER	1		-	
Hydrogenobacter acidophilus → Hydrogenobaculum acidophilum				
Hydrogenobacter hydrogenophilus				
(Calderobacterium hydrogenophilum)	1			
Hydrogenobacter subterraneus	1			
Hydrogenobacter thermophilus	1			
THE DOCUMENT OF THE PARTY OF TH				
HYDROGENOBACULUM	1			
Hydrogenobaculum acidophilum (Hydrogenobacter acidophilus)	1			
HYDROGENOPHAGA				
Hydrogenophaga atypica	1			
Hydrogenophaga bisanensis	1			
Hydrogenophaga caeni	1			
Hydrogenophaga defluvii	1			
Hydrogenophaga flava (Pseudomonas flava)	1			
Hydrogenophaga intermedia	1			
Hydrogenophaga palleronii (Pseudomonas palleronii)	1			
Hydrogenophaga pseudoflava (Pseudomonas pseudoflava)	1			
Hydrogenophaga taeniospiralis (Pseudomonas taeniospiralis)	1			
HYDROGENOPHILUS				
Hydrogenophilus hirschii	1			
Hydrogenophilus thermoluteolus	1			
, , ,				
HYDROGENOTHERMUS				
Hydrogenothermus marinus	1			
HYDROGENOVIBRIO				
Hydrogenovibrio marinus	1			
Tryatogenovismo marina	•			
HYLEMONELLA				
Hylemonella gracilis (Aquaspirillum gracile)	1			
INAMES INDICATED				
HYMENOBACTER Hymonobactor actinopologys	1			
Hymenobacter actinosclerus Hymenobacter aerophilus	1 1			
Hymenobacter chitinivorans	1			
Hymenobacter gelipurpurascens	1			
Hymenobacter norwichensis	1			
Hymenobacter ocellatus	1			
Hymenobacter psychrotolerans	1			
Hymenobacter rigui	1			
Hymenobacter roseosalivarius	1			
Hymenobacter soli	1			
Hymenobacter xinjiangensis	1			
HYPERTHERMUS				
Hyperthermus butylicus	1			
- 5 _F				
HYPHOMICROBIUM				
Hyphomicrobium aestuarii	1			
Hyphomicrobium chloromethanicum	1			

Genera		Risk group		
Species	1	2 3	4	Notes
Hyphomicrobium coagulans	1	<u> </u>		
Hyphomicrobium denitrificans	1			
Hyphomicrobium facile subsp. facile	1			
Hyphomicrobium facile subsp. tolerans	1			
Hyphomicrobium facile subsp. ureaphilum	1			
Hyphomicrobium hollandicum	1			
Hyphomicrobium indicum → Photobacterium indicum	1			
Hyphomicrobium methylovorum	1			
	1			
Hyphomicrobium neptunium → Hyphomonas neptunium	1			
Hyphomicrobium sulfonivorans	1			
Hyphomicrobium vulgare	1			
Hyphomicrobium zavarzinii	1			
HYPHOMONAS				
Hyphomonas adhaerens	1			
Hyphomonas hirschiana	1			
Hyphomonas jannaschiana	1			
Hyphomonas johnsonii	1			
Hyphomonas neptunium (Hyphomicrobium neptunium)	1			
Hyphomonas oceanitis	1			
Hyphomonas polymorpha	1			
Hyphomonas rosenbergii	1			
IDEONELLA				
Ideonella dechloratans	1			
IDIOMARINA				
Idiomarina abyssalis	1			
Idiomarina baltica	1			
Idiomarina fontislapidosi	1			
Idiomarina homiensis	1			
Idiomarina loihiensis	1			
Idiomarina ramblicola	1			
Idiomarina salinarum	1			
Idiomarina seosinensis	1			
Idiomarina zobellii	1			
Chomanna Zobemi	1			
IGNATZSCHINERIA				
Ignatzschineria larvae (Schineria larvae)	1			
IONAMIONANAM				
IGNAVIGRANUM		2		
Ignavigranum ruoffiae		2		
IGNICOCCUS				
Ignicoccus hospitalis	1			
Ignicoccus islandicus	1			
Ignicoccus pacificus	1			
IGNISPHAERA				
Ignisphaera aggregans	1			
ILYOBACTER				
Ilyobacter delafieldii	1			
nyobacter defanicion	1			

Genera		Risk	group		
Species	1	2	3	4	Notes
Ilyobacter insuetus	1			•	
Ilyobacter polytropus	1				
Ilyobacter tartaricus	1				
nyobacci tartaricus	1				
INQUILINUS					
Inquilinus limosus	1				+
INSOLITISPIRILLUM					
Insolitispirillum peregrinum subsp. integrum					
(Aquaspirillum peregrinum subsp. integrum)	1				
Insolitispirillum peregrinum subsp. peregrinum					
(Aquaspirillum peregrinum subsp. peregrinum)	1				
INTRASPORANGIUM					
Intrasporangium calvum	1				
The table of t	•				
IODOBACTER					
Iodobacter fluviatilis (Chromobacterium fluviatile)	1				
ISOCHROMATIUM					
Isochromatium buderi (Chromatium buderi)	1				
ISOPTERICOLA					
Isoptericola dokdonensis	1				
Isoptericola halotolerans	1				
Isoptericola hypogeus	1				
Isoptericola variabilis (Cellulosimicrobium variabile)	1				
,					
ISOSPHAERA					
Isosphaera pallida	1				
JAHNIA					
Jahnia thaxteri	1				
·					
JANIBACTER	4				
Janibacter anophelis	1				
Janibacter brevis – synonym: Janibacter terrae	4				
Janibacter corallicola	1				
Janibacter limosus	1				
Janibacter melonis	1				
Janibacter terrae	1				
JANNASCHIA					
Jannaschia cystaugens	1				
Jannaschia donghaensis	1				
Jannaschia helgolandensis	1				
Jannaschia pohangensis	1				
Jannaschia rubra	1				
Jannaschia seosinensis	1				
JANTHINOBACTERIUM					
Janthinobacterium agaricidamnosum	1				n
Janthinobacterium lividum	1				p
Janumio Dacterium ilvitum	1				

Genera		Risk group		Notes
Species	1	2 3	4	Notes
JEOTGALIBACILLUS				
Jeotgalibacillus alimentarius	1			
JEOTGALICOCCUS				
Jeotgalicoccus halotolerans	1			
Jeotgalicoccus pinnipedialis	1			
Jeotgalicoccus psychrophilus	1			
JIANGELLA				
Jiangella alkaliphila	1			
Jiangella gansuensis	1			
JOHNSONELLA				
Johnsonella ignava		2		
JONESIA				
Jonesia denitrificans (Listeria denitrificans)		2		t
Jonesia quinghaiensis	1			
JONQUETELLA				
Jonquetella anthropi		2		
JOOSTELLA				
Joostella marina	1			
KAISTELLA				
Kaistella koreensis	1			
KAISTIA				
Kaistia adipata	1			
Kaistia granuli	1			
Kaistia soli	1			
KANGIELLA				
Kangiella aquimarina	1			
Kangiella koreensis	1			
KERSTERSIA				
Kerstersia gyiorum		2		
KETOGULONICIGENIUM				
Ketogulonicigenium robustum	1			
Ketogulonicigenium vulgare	1			
KIBDELOSPORANGIUM				
Kibdelosporangium albatum → Allokutzneria albata				
Kibdelosporangium aridum subsp. aridum	1			
Kibdelosporangium aridum subsp. largum	1			
Kibdelosporangium philippinense	1			
KINEOCOCCUS				
Kineococcus aurantiacus	1			
Kineococcus marinus	1			
Kineococcus radiotolerans	1			

Genera		Risk	group	_	Notes	
Species	1	2	3	4	Notes	
KINEOSPHAERA						
Kineosphaera limosa	1					
KINEOSPORIA	4					
Kineosporia aurantiaca	1					
Kineosporia mikuniensis	1					
Kineosporia rhamnosa	1					
Kineosporia rhizophila	1					
Kineosporia succinea	1					
KINGELLA						
Kingella denitrificans		2				
Kingella indologenes → Suttonella indologenes						
Kingella kingae		2				
Kingella oralis		2				
Kingella potus	1				ht+	
KITASATOA → STREPTOMYCES						
Kitasatoa diplospora – synonym: Kitasatoa purpurea						
→ Streptomyces purpureus						
Kitasatoa kauaiensis – synonym: Kitasatoa purpurea						
→ Streptomyces purpureus						
Kitasatoa nagasakiensis – synonym: Kitasatoa purpurea						
→ Streptomyces purpureus						
Kitasatoa purpurea → Streptomyces purpureus						
KITASATOSPORA	4					
Kitasatospora arboriphila	1					
Kitasatospora azatica (Streptomyces azaticus)	1					
Kitasatospora cheerisanensis	1					
Kitasatospora cineracea	1					
Kitasatospora cochleata (Streptomyces cochleatus)	1					
Kitasatospora cystarginea = Streptomyces cystargineus	1					
Kitasatospora gansuensis	1					
Kitasatospora griseola = Streptomyces griseolosporeus	1					
Kitasatospora kifunensis (Streptomyces kifunensis)	1					
Kitasatospora mediocidica = Streptomyces mediocidicus	1					
Kitasatospora niigatensis	1					
Kitasatospora nipponensis	1					
Kitasatospora paracochleata (Streptomyces paracochleatus)	1					
Kitasatospora paranensis	1					
Kitasatospora phosalacinea = Streptomyces phosalacineus	1					
Kitasatospora putterlickiae	1					
Kitasatospora sampliensis	1					
Kitasatospora setae = Streptomyces setae	1					
Kitasatospora terrestris	1					
Kitasatospora viridis	1					
KLEBSIELLA						
Klebsiella granulomatis (Calymmatobacterium granulomatis)		2				
Klebsiella mobilis = Enterobacter aerogenes		2			ht	

0		D: 1		
Genera	4	Risk grou	_	Notes
Species	1	2 3	3 4	
Klebsiella ornithinolytica → Raoultella ornithinolytica				
Klebsiella oxytoca		2		ht
Klebsiella ozaenae → Klebsiella pneumoniae subsp. ozaenae				
Klebsiella planticola → Raoultella planticola				
Klebsiella pneumoniae → Klebsiella pneumoniae subsp. pneumoniae				
Klebsiella pneumoniae subsp. ozaenae (Klebsiella ozaenae)		2		
Klebsiella pneumoniae subsp. pneumoniae				
(Klebsiella pneumoniae)		2		TA, ht
Klebsiella pneumoniae subsp. rhinoscleromatis				
(Klebsiella rhinoscleromatis)		2		
Klebsiella rhinoscleromatis				
→ Klebsiella pneumoniae subsp. rhinoscleromatis				
Klebsiella singaporensis	1			
Klebsiella terrigena → Raoultella terrigena				
Klebsiella trevisanii – synonym: Klebsiella planticola				
→ Raoultella planticola				
Klebsiella variicola		2		ht
KLUYVERA				
Kluyvera ascorbata		2		
Kluyvera cochleae – synonym: Kluyvera intermedia				
Kluyvera cryocrescens		2		
Kluyvera georgiana	1			
Kluyvera intermedia (Enterobacter intermedius)		2		
KNOELLIA				
Knoellia aerolata	1			
Knoellia sinensis	1			
Knoellia subterranea	1			
WOOLDIA				
KOCURIA	1			
Kocuria aegyptia	1			
Kocuria carniphila	1			
Kocuria erythromyxa – synonym: Kocuria rosea	4			
Kocuria flava	1			
Kocuria himachalensis	1			
Kocuria kristinae (Micrococcus kristinae)	1			+
Kocuria marina	1			
Kocuria palustris	1			
Kocuria polaris	1			
Kocuria rhizophila	1			
Kocuria rosea (Micrococcus roseus)	1			
Kocuria turfanensis	1			
Kocuria varians (Micrococcus varians)	1			
KOFLERIA				
Kofleria flava	1			
Koneria nava	1			
KORDIA				
Kordia algicida	1			
Troma mercina	1			
KORDIIMONAS				
Kordiimonas gwangyangensis	1			

Genera		Risk	group		
Species	1	2	3	4	Notes
KOSERELLA					
Koserella trabulsii		2			
KOZAKIA					
Kozakia baliensis	1				
KRASILNIKOVIA					
Krasilnikovia cinnamonea	1				
VDIDDELLA					
KRIBBELLA Kribbella alba	1				
Kribbella aluminosa	1				
Kribbella antibiotica					
	1				
Kribbella flavida	1				
Kribbella hippodromi	1				
Kribbella jejuensis	1				
Kribbella karoonensis	1				
Kribbella koreensis (Hongia koreensis)	1				
Kribbella lupini	1				
Kribbella sandramycini	1				
Kribbella solani	1				
Kribbella swartbergensis	1				
Kribbella yunnanensis	1				
KRIBBIA					
Kribbia dieselivorans	1				
KROKINOBACTER					
Krokinobacter diaphorus	1				
Krokinobacter eikastus	1				
Krokinobacter genikus	1				
Niokinobacter genikus	1				
KTEDOBACTER					
Ktedobacter racemifer	1				
KURTHIA					
Kurthia gibsonii	1				+
Kurthia sibirica	1				
Kurthia zopfii	1				+
KUTZNERIA					
Kutzneria albida (Streptosporangium albidum)	1				
Kutzneria kofuensis (Streptosporangium viridogriseum subsp. kofuense)	1				
Kutzneria viridogrisea	-				
(Streptosporangium viridogriseum subsp. viridogriseum)	1				
KYTOCOCCUS					
Kytococcus schroeteri	1				+
Kytococcus sedentarius (Micrococcus sedentarius)	1				+
LABEDELLA					
	1				
Labedella gwakjiensis	1				

Genera		Risk	group		NT .
Species	1	2	3	4	Notes
LABRENZIA				<u> </u>	
Labrenzia aggregata (Stappia aggregata)	1				
Labrenzia alba (Stappia alba)	1				
Labrenzia alexandrii	1				
Labrenzia marina (Stappia marina)	1				
,					
LABRYS					
Labrys methylaminiphilus	1				
Labrys miyagiensis	1				
Labrys monachus	1				
Labrys neptuniae	1				
Labrys okinawensis	1				
Labrys portucalensis	1				
LACEYELLA					
Laceyella putida (Thermoactinomyces putidus)	1				
Laceyella sacchari (Thermoactinomyces sacchari)	1				+
LACHNOBACTERIUM					
Lachnobacterium bovis	1				
Laciniobacterium bovis	1				
LACHNOSPIRA					
Lachnospira multipara	1				
Lachnospira pectinoschiza	1				
LACINUTRIX					
Lacinutrix copepodicola	1				
LACTOBACILLUS					
Lactobacillus acetotolerans	1				
Lactobacillus acidifarinae	1				
Lactobacillus acidipiscis	1				
Lactobacillus acidophilus	1				+
Lactobacillus agilis	1				'
Lactobacillus algidus	1				
Lactobacillus alimentarius	1				
Lactobacillus amylolyticus	1				
Lactobacillus amylophilus	1				
Lactobacillus amylotrophicus	1				
Lactobacillus amylovorus	1				
Lactobacillus animalis	1				
Lactobacillus apodemi	1				
Lactobacillus arizonensis – synonym:	1				
Lactobacillus plantarum subsp. plantarum					
Lactobacillus aviarius subsp. araffinosus	1				
Lactobacillus aviarius subsp. aviarius Lactobacillus aviarius subsp. aviarius	1				
Lactobacillus bavaricus – synonym: Lactobacillus sakei subsp. sakei	•				
Lactobacillus bifermentans	1				
Lactobacillus brevis	1				
Lactobacillus bicvis Lactobacillus buchneri	1				
Lactobacillus bulgaricus → Lactobacillus delbrueckii subsp. bulgaricus	1				
Lactobacillus dulgaricus → Lactobacillus delbrueckii subsp. bulgaricus Lactobacillus camelliae	1				
Lactobacillus carnis – synonym: Carnobacterium piscicola	1				
Lactobacinus Carris — synonym. Carriobacterium piscicora					

Genera Risk group Notes Species 1 2 3 4 Lactobacillus casei 1 + + Lactobacillus casei subsp. alactosus → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. pseudoplantarum → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
Lactobacillus casei subsp. alactosus → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. pseudoplantarum → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
Lactobacillus casei subsp. alactosus → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. pseudoplantarum → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
→ Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. pseudoplantarum → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
Lactobacillus casei subsp. pseudoplantarum → Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
→ Lactobacillus paracasei subsp. paracasei Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
Lactobacillus casei subsp. rhamnosus → Lactobacillus rhamnosus
<u>.</u>
Lactobacillus casei subsp. tolerans
→ Lactobacillus paracasei subsp. tolerans
Lactobacillus catenaformis 1 +
Lactobacillus cellobiosus – synonym: Lactobacillus fermentum
Lactobacillus coleohominis 1
Lactobacillus collinoides 1
Lactobacillus composti 1
Lactobacillus concavus 1
Lactobacillus confusus → Weissella confusa
Lactobacillus coryniformis subsp. coryniformis 1
Lactobacillus coryniformis subsp. torquens 1
Lactobacillus crispatus 1
Lactobacillus crustorum 1
Lactobacillus curvatus (Lactobacillus curvatus subsp. curvatus) 1
Lactobacillus curvatus subsp. curvatus → Lactobacillus curvatus
Lactobacillus curvatus subsp. redivatus — synonym:
Lactobacillus sakei subsp. rarnosus
Lactobacillus cypricasei – synonym: Lactobacillus acidipiscis
Lactobacillus delbrueckii subsp. bulgaricus (Lactobacillus bulgaricus) 1
Lactobacillus delbrueckii subsp. delbrueckii 1
Lactobacillus delbrueckii subsp. indicus 1
Lactobacillus delbrueckii subsp. lactis (Lactobacillus lactis)
Lactobacillus diolivorans 1
Lactobacillus divergens → Carnobacterium divergens
Lactobacillus durianis – synonym: Lactobacillus vaccinostercus
Lactobacillus equi 1
Lactobacillus equigenerosi 1
Lactobacillus farciminis 1
Lactobacillus farraginis 1
Lactobacillus ferintoshensis – synonym: Lactobacillus parabuchneri
Lactobacillus fermentum 1 +
Lactobacillus fornicalis 1
Lactobacillus fructivorans 1
Lactobacillus fructosus → Leuconostoc fructosum
Lactobacillus frumenti 1
Lactobacillus fuchuensis 1
Lactobacillus gallinarum 1
Lactobacillus gasseri 1 +
Lactobacillus gastricus 1
Lactobacillus ghanensis 1
Lactobacillus graminis 1
Lactobacillus halotolerans → Weissella halotolerans
Lactobacillus hammesii 1
Lactobacillus hamsteri 1
Lactobacillus harbinensis 1
Lactobacillus hayakitensis 1

Genera		Risk group		N. T
Species	1	$2 \stackrel{\circ}{3} \stackrel{\circ}{3}$	4	Notes
Lactobacillus helveticus	1			
Lactobacillus heterohiochii – synonym: Lactobacillus fructivorans				
Lactobacillus hilgardii	1			
Lactobacillus homohiochii	1			
Lactobacillus iners	1			+
Lactobacillus ingluviei	1			
Lactobacillus intestinalis	1			
Lactobacillus jensenii	1			+
Lactobacillus johnsonii	1			
Lactobacillus kalixensis	1			
Lactobacillus kandleri → Weissella kandleri				
Lactobacillus kefiranofaciens subsp. kefiranofaciens	1			
Lactobacillus kefiranofaciens subsp. kefirgranum	1			
Lactobacillus kefirgranum – synonym:	1			
Lactobacillus kefiranofaciens subsp. kefirgranum				
Lactobacillus kefiri	1			
Lactobacillus kimchii	1			
Lactobacillus kitasatonis	1			
Lactobacillus kunkeei	1			
Lactobacillus lactis → Lactobacillus delbrueckii subsp. lactis				
Lactobacillus leichmannii – synonym:				
Lactobacillus delbrueckii subsp. lactis				
Lactobacillus lindneri	1			
Lactobacillus malefermentans	1			
Lactobacillus mali	1			
Lactobacillus maltaromicus → Carnobacterium maltaromaticum				
Lactobacillus manihotivorans	1			
Lactobacillus mindensis	1			
Lactobacillus minor → Weissella minor				
Lactobacillus minutus → Atopobium minutum				
Lactobacillus mucosae	1			
Lactobacillus murinus	1			
Lactobacillus nagelii	1			
Lactobacillus namurensis	1			
Lactobacillus nantensis	1			
Lactobacillus oligofermentans	1			
Lactobacillus oris	1			
Lactobacillus panis	1			
Lactobacillus pantheris	1			
Lactobacillus parabrevis	1			
Lactobacillus parabuchneri	1			
Lactobacillus paracasei subsp. paracasei	1			
(Lactobacillus casei subsp. alactosus,				
Lactobacillus casei subsp. pseudoplantarum)	1			+
Lactobacillus paracasei subsp. tolerans				
(Lactobacillus casei subsp. tolerans)	1			
Lactobacillus paracollinoides	1			
Lactobacillus parafarraginis	1			
Lactobacillus parakefiri	1			
Lactobacillus paralimentarius	1			
Lactobacillus paraplantarum	1			
Lactobacillus pentosus	1			

Genera		Risk group		
Species	1	2 3	4	Notes
Lactobacillus perolens	1		•	
Lactobacillus piscicola → Carnobacterium piscicola	-			
Lactobacillus plantarum → Lactobacillus plantarum subsp. plantarum				
Lactobacillus plantarum subsp. argentoratensis	1			+
Lactobacillus plantarum subsp. plantarum (Lactobacillus plantarum)	1			+
Lactobacillus piantarum subsp. piantarum (Lactobacillus piantarum) Lactobacillus pontis	1			Т
Lactobacillus poitus Lactobacillus psittaci	1			t+
Lactobacillus rennini	1			ĻI
Lactobacillus reuteri	1			
Lactobacillus rhamnosus (Lactobacillus casei subsp. rhamnosus)	1	2		TA
-		2		111
Lactobacillus rimae → Atopobium rimae	1			
Lactobacillus rogosae Lactobacillus rossiae	1			
Lactobacillus rossiae Lactobacillus ruminis	1			
	1			
Lactobacillus saerimneri	1			
Lactobacillus sakei subsp. carnosus	1			
Lactobacillus sakei subsp. sakei	1			
Lactobacillus salivarius (Lactobacillus salivarius subsp. salicinius,				
Lactobacillus salivarius subsp. salivarius)	1			
Lactobacillus salivarius subsp. salicinius → Lactobacillus salivarius	•			
Lactobacillus salivarius subsp. salivarius → Lactobacillus salivarius	4			
Lactobacillus sanfranciscensis	1			
Lactobacillus satsumensis	1			
Lactobacillus secaliphilus	1			
Lactobacillus senmaizukei	1			
Lactobacillus sharpeae	1			
Lactobacillus siliginis	1			
Lactobacillus sobrius – synonym: Lactobacillus amylovorus	1			
Lactobacillus spicheri Lactobacillus suebicus	1			
	1			
Lactobacillus suntoryeus – synonym: Lactobacillus helveticus Lactobacillus thailandensis	1			
	1			
Lactobacillus thermotolerans – synonym: Lactobacillus ingluviei				
Lactobacillus trichodes – synonym: Lactobacillus fructivorans				
Lactobacillus uli → Olsenella uli	4			
Lactobacillus ultunensis	1			
Lactobacillus vaccinostercus	1			
Lactobacillus vaginalis	1			
Lactobacillus versmoldensis	1			
Lactobacillus vini	1			
Lactobacillus viridescens → Weissella viridescens				
Lactobacillus vitulinus	1			
Lactobacillus xylosus – synonym: Lactococcus lactis subsp. lactis				
Lactobacillus yamanashiensis – synonym: Lactobacillus mali				
"Lactobacillus zeae"	1			
Lactobacillus zymae	1			
LACTOCOCCUS				
Lactococcus garvieae (Streptococcus garvieae)		2		ht
Lactococcus lactis subsp. cremoris		-		110
(Streptococcus cremoris, Streptococcus lactis subsp. cremoris)	1			
, 1 /				

Genera		Risk group			N T .
Species	1	2	3	4	Notes
Lactococcus lactis subsp. hordniae	1	-		<u> </u>	
Lactococcus lactis subsp. lactis (Streptococcus lactis)	1				+
Lactococcus piscium	1				
Lactococcus plantarum (Streptococcus plantarum)	1				
Lactococcus raffinolactis (Streptococcus raffinolactis)	1				
zaccocces immonetes (erreprocesses immonetes)	-				
LACTONIFACTOR					
Lactonifactor longoviformis	1				
LACTOSPHAERA					
Lactosphaera pasteurii → Trichococcus pasteurii					
T. I. OPPONING					
LACTOVUM					
Lactovum miscens	1				
LAMPROBACTER					
Lamprobacter modestohalophilus	1				
Lamprobacter modestonalopmus	1				
LAMPROCYSTIS					
Lamprocystis purpurea (Amoebobacter purpureus, Pfennigia purpurea)	1				
Lamprocystis roseopersicina	1				
Tamprocyous roscopersiena	1				
LAMPROPEDIA					
Lampropedia hyalina	1				
LAPILLICOCCUS					
Lapillicoccus jejuensis	1				
I ADIDACTED					
LARIBACTER		2			
Laribacter hongkongensis		2			
LARKINELLA					
Larkinella insperata	1				
Larkinena insperata	1				
LAUTROPIA					
Lautropia mirabilis	1				
LAWSONIA					
Lawsonia intracellularis		2			t
I DADDETTEDELLA					
LEADBETTERELLA	4				
Leadbetterella byssophila	1				
LEBETIMONAS					
Lebetimonas acidiphila	1				
2.000 and	1				
LECHEVALIERIA					
Lechevalieria aerocolonigenes subsp. aerocolonigenes					
(Saccharothrix aerocolonigenes subsp. aerocolonigenes)	1				+
Lechevalieria flava					
(Actinomadura flava, Nocardiopsis flava, Saccharothrix flava)	1				
Lechevalieria fradiae	1				
Lechevalieria xinjiangensis	1				

Genera		Risk group		N.T.
Species	1	$2 \stackrel{\circ}{3} \stackrel{\circ}{3}$	4	Notes
LECLERCIA			<u> </u>	
Leclercia adecarboxylata (Escherichia adecarboxylata)		2		
LEEIA				
Leeia oryzae	1			
LEEUWENHOEKIELLA				
Leeuwenhoekiella aequorea	1			
Leeuwenhoekiella blandensis	1			
Leeuwenhoekiella marinoflava (Cytophaga marinoflava)	1			
LEGIONELLA				
Legionella adelaidensis	1			+
Legionella anisa		2		
Legionella beliardensis	1			
Legionella birminghamensis		2		
Legionella bozemanii → Fluoribacter bozemanae				
Legionella brunensis	1			+
Legionella busanensis	1			
Legionella cherrii	1			+
Legionella cincinnatiensis		2		
Legionella drancourtii	1			
Legionella drozanskii	1			
Legionella dumoffii → Fluoribacter dumoffii				
Legionella erythra	1			+
Legionella fairfieldensis	1			+
Legionella fallonii	1			
Legionella feeleii		2		
Legionella geestiana	1			
Legionella gormanii → Fluoribacter gormanii				
Legionella gratiana	1			+
Legionella gresilensis	1			
Legionella hackeliae		2		
Legionella impletisoli	1			
Legionella israelensis	1			+
Legionella jamestowniensis	1			+
Legionella jordanis		2		
Legionella lansingensis		2		
Legionella londiniensis	1			
Legionella longbeachae		2		
Legionella lytica (Sarcobium lyticum)	1			
Legionella maceachernii → Tatlockia maceachernii				
Legionella micdadei → Tatlockia micdadei				
Legionella moravica	1			+
Legionella nautarum	1			1
Legionella oakridgensis	1	2		
Legionella parisiensis	1	_		+
Legionella pittsburghensis – synonym: Tatlockia micdadei	1			•
Legionella pneumophila subsp. fraseri		2		
Legionella pneumophila subsp. pascullei		2		
Legionella pneumophila subsp. pneumophila		2		
Legionella quateirensis	1	-		
208101101111 quittoriorio	1			

Genera		Risk g	group		
Species	1	2	3	4	Notes
Legionella quinlivanii	1			•	+
Legionella rowbothamii	1				
Legionella rubrilucens	1				
Legionella sainthelensi		2			
Legionella santicrucis	1				+
Legionella shakespearei	1				
Legionella spiritensis	1				
Legionella steigerwaltii	1				+
Legionella taurinensis	1				
Legionella tucsonensis		2			
Legionella wadsworthii		2			
Legionella waltersii	1				
Legionella worsleiensis	1				
Legionella yabuuchiae	1				
LEIFSONIA					
Leifsonia aquatica ("Corynebacterium aquaticum")	1				
Leifsonia aurea	1				
Leifsonia cynodontis = Leifsonia xyli subsp. cynodontis	1				p
Leifsonia ginsengi	1				Р
Leifsonia naganoensis	1				
Leifsonia poae	1				
Leifsonia rubra	1				
Leifsonia shinshuensis	1				
Leifsonia xyli subsp. cynodontis (Clavibacter xyli subsp. cynodontis)	•				
= Leifsonia cynodontis	1				p
Leifsonia xyli subsp. xyli (Clavibacter xyli subsp. xyli)	1				p
LEISINGERA					
Leisingera methylohalidivorans	1				
LEMINORELLA					
Leminorella grimontii	1				+
Leminorella richardii	1				+
LENTIBACILLUS					
Lentibacillus halodurans	1				
Lentibacillus halophilus	1				
Lentibacillus juripiscarius	1				
Lentibacillus kapialis	1				
Lentibacillus lacisalsi	1				
Lentibacillus salarius	1				
Lentibacillus salicampi	1				
Lentibacillus salinarum	1				
LENTISPHAERA					
Lentisphaera araneosa	1				
LENTZEA Lentzea albida (Saccharothrix aerocolonigenes subsp. staurosporea)	1				
Lentzea albidocapillata (Saccharothrix albidocapillata)	1				+
Lentzea californiensis	1				
Lentzea flaviverrucosa	1				
	-				

Genera		Risk g	TOUT		
Species	1	2	3	4	Notes
Lentzea kentuckyensis	1		<u> </u>		
Lentzea violacea (Saccharothrix violacea)	1				
Lentzea waywayandensis (Saccharothrix waywayandensis)	1				
Delitated way way and choise (Saccinated think way way and choise)	1				
LEPTOLINEA					
Leptolinea tardivitalis	1				
LEPTONEMA					
Leptonema illini	1				
LEPTOSPIRA					
Leptospira alexanderi	1				+
Leptospira biflexa	1				
Leptospira borgpetersenii		2			Z
Leptospira broomii		2			Z
Leptospira fainei		2			Z
Leptospira inadai		2			Z
Leptospira interrogans		2			Z
Leptospira kirschneri		2			Z
Leptospira meyeri	1				
Leptospira noguchii		2			Z
Leptospira parva → Turneriella parva					
Leptospira santarosai		2			Z
Leptospira weilii		2			Z
Leptospira wolbachii	1				
LEPTOSPIRILLUM					
Leptospirillum ferriphilum	1				
Leptospirillum ferrooxidans	1				
Leptospirillum thermoferrooxidans	1				
I EDITORIAN					
LEPTOTHRIX	4				
Leptothrix cholodnii	1				
Leptothrix discophora	1				
Leptothrix lopholea	1				
Leptothrix mobilis	1				
Leptothrix ochracea	1				
LEPTOTRICHIA					
Leptotrichia buccalis		2			ht
Leptotrichia goodfellowii	1				+
Leptotrichia hofstadii	1				
Leptotrichia shahii	1				+
Leptotrichia trevisanii	1				+
Leptotrichia wadei	1				
LEUCOBACTER					
Leucobacter albus	1				
Leucobacter alluvii	1				
Leucobacter aridicollis	1				
Leucobacter artificonis Leucobacter chromiireducens subsp. chromiireducens	1				
Leucobacter chromiireducens subsp. chromiireducens Leucobacter chromiireducens subsp. solipictus	1				
Leucobacter iarius	1				

Genera		Risk	group		Notes	
Species	1	2	3	4	Notes	
Leucobacter komagatae	1					
Leucobacter luti	1					
LEUCONOSTOC						
Leuconostoc amelibiosum – synonym: Leuconostoc citreum						
Leuconostoc argentinum – synonym: Leuconostoc lactis						
Leuconostoc carnosum	1					
Leuconostoc citreum	1				+	
Leuconostoc cremoris → Leuconostoc mesenteroides subsp. cremoris						
Leuconostoc dextranicum						
→ Leuconostoc mesenteroides subsp. dextranicum						
Leuconostoc durionis	1					
Leuconostoc fallax	1					
Leuconostoc ficulneum	1					
Leuconostoc fructosum (Lactobacillus fructosus)	1					
Leuconostoc gasicomitatum	1					
Leuconostoc gelidum	1					
Leuconostoc holzapfelii	1					
Leuconostoc inhae	1					
Leuconostoc kimchii	1					
Leuconostoc lactis	1				+	
Leuconostoc mesenteroides subsp. cremoris (Leuconostoc cremoris)	1					
Leuconostoc mesenteroides subsp. dextranicum (Leuconostoc dextranicum)	1				+	
Leuconostoc mesenteroides subsp. mesenteroides		2^{G}			TA	
Leuconostoc oenos → Oenococcus oeni						
Leuconostoc paramesenteroides → Weissella paramesenteroides						
Leuconostoc pseudoficulneum	1					
Leuconostoc pseudomesenteroides	1				+	
LEUCOTHRIX						
Leucothrix mucor	1					
LEVILINEA						
Levilinea saccharolytica	1					
LEVINEA – synonym: CITROBACTER						
Levinea amalonatica → Citrobacter amalonaticus						
Levinea malonatica – synonym: Citrobacter koseri						
LEWINELLA						
Lewinella agarilytica	1					
Lewinella cohaerens (Herpetosiphon cohaerens)	1					
Lewinella lutea	1					
Lewinella marina	1					
Lewinella nigricans (Herpetosiphon nigricans)	1					
Lewinella persica (Herpetosiphon persicus)	1					
"LIBERIBACTER" (CANDIDATUS)						
"Liberibacter africanus" (Candidatus)	1				p3	
"Liberibacter americanus" (Candidatus)	1				р3	

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk		Notes	
Species	1	2	3	4	Notes
"Liberibacter asiaticus" (Candidatus)	1				р3
LIMIBACTER					
Limibacter armeniacum	1				
LIMNOBACTER					
Limnobacter thiooxidans	1				
LISHIZHENIA					
Lishizhenia caseinilytica	1				
LISTERIA					
Listeria denitrificans → Jonesia denitrificans					
Listeria grayi	1				
Listeria innocua	1				
Listeria ivanovii subsp. ivanovii		2			\mathbf{Z}
Listeria ivanovii subsp. londoniensis		2			Z
Listeria monocytogenes		2			Z
Listeria murrayi – synonym: Listeria grayi					
Listeria seeligeri	1				+
Listeria welshimeri	1				
LISTONELLA					
Listonella anguillarum (Vibrio anguillarum)		2			t
Listonella damsela → Photobacterium damselae subsp. damselae					
Listonella pelagia (Beneckea pelagia, Vibrio pelagius)	1				
LITORICOLA					
Litoricola lipolytica	1				
LOKTANELLA					
Loktanella agnita	1				
Loktanella atrilutea	1				
Loktanella fryxellensis	1				
Loktanella hongkongensis	1				
Loktanella koreensis	1				
Loktanella maricola	1				
Loktanella rosea	1				
Loktanella salsilacus	1				
Loktanella vestfoldensis	1				
LONEPINELLA					
Lonepinella koalarum	1				
LONGILINEA					
Longilinea arvoryzae	1				
LONGISPORA					
Longispora albida	1				

$LUCIBACTERIUM \rightarrow VIBRIO$

Lucibacterium harveyi \rightarrow Vibrio harveyi

Genera		Risk s	rroun		
Species	1	2	3	4	Notes
LUEDEMANNELLA	1		<u> </u>	-	
Luedemannella flava	1				
Luedemannella helvata	1				
Lucuemannena neivata	1				
LUTEIBACTER					
Luteibacter rhizovicinus	1				
LUTEIMONAS					
Luteimonas composti	1				
Luteimonas mephitis	1				
THEFOCOCOUR					
LUTEOCOCCUS	1				
Luteococcus japonicus	1				
Luteococcus peritonei	1				
Luteococcus sanguinis	1				+
LUTEOLIBACTER					
Luteolibacter algae	1				
Luteolibacter pohnpeiensis	1				
Edicolodoca polítipación	•				
LUTIBACTER					
Lutibacter litoralis	1				
LUTIMONAS					
Lutimonas vermicola	1				
I LUTIODOD A					
LUTISPORA	4				
Lutispora thermophila	1				
LYSINIBACILLUS					
Lysinibacillus boronitolerans	1				
Lysinibacillus fusiformis (Bacillus fusiformis)	1				
Lysinibacillus sphaericus (Bacillus sphaericus)	1				+,n
7 1 (1 /					,
LYSOBACTER					
Lysobacter antibioticus	1				
Lysobacter brunescens	1				
Lysobacter capsici	1				
Lysobacter concretionis	1				
Lysobacter daejeonensis	1				
Lysobacter defluvii	1				
Lysobacter enzymogenes subsp. cookii	1				
Lysobacter enzymogenes subsp. enzymogenes	1				
Lysobacter gummosus	1				
Lysobacter koreensis	1				
Lysobacter niabensis	1				
Lysobacter niastensis	1				
Lysobacter spongiicola	1				
Lysobacter yangpyeongensis	1				
LYTICUM					
Lyticum flagellatum	1				
Lyticum sinuosum	1				
	-				

Genera		Risk group		
Species	1	2 3	4	Notes
MACROCOCCUS				
Macrococcus bovicus	1			
Macrococcus brunensis	1			
Macrococcus carouselicus	1			
Macrococcus caseolyticus (Staphylococcus caseolyticus)	-	2		t
Macrococcus equipercicus	1			
Macrococcus hajekii	1			
Macrococcus lamae	1			
MACROMONAS				
Macromonas bipunctata	1			
Macromonas mobilis	1			
MAGNETOSPIRILLUM				
Magnetospirillum gryphiswaldense	1			
Magnetospirillum magnetotacticum (Aquaspirillum magnetotacticum)	1			
MAHELLA				
Mahella australiensis	1			
MALIKIA				
Malikia granosa	1			
Malikia spinosa (Pseudomonas spinosa)	1			
MALONOMONAS				
Malonomonas rubra	1			
MANNHEIMIA				
Mannheimia glucosida	1			
Mannheimia granulomatis (Pasteurella granulomatis)		2		t
Mannheimia haemolytica (Pasteurella haemolytica)		2		ht
Mannheimia ruminalis	1			
Mannheimia varigena		2		t
MARIBACTER				
Maribacter aquivivus	1			
Maribacter arcticus	1			
Maribacter dokdonensis	1			
Maribacter forsetii	1			
Maribacter orientalis	1			
Maribacter polysiphoniae	1			
Maribacter sedimenticola Maribacter ulvicola	1 1			
MADIDING				
MARIBIUS Maribius pelagius	1			
Maribius salinus	1			
MARICAULIS				
Maricaulis maris (Caulobacter maris)	1			
Maricaulis parjimensis	1			
Maricaulis salignorans	1			
	1			

Species 1 2 3 4 Notes	Genera		Rick	oroun		
Maricaulis virginensis 1 Maricaulis virginensis 1 Marichromatium bheemlicum 1 Marichromatium gracile (Chromatium gracile) 1 Marichromatium indicum 1 Marinibacillus campisalis 1 Marinibacillus campisalis 1 Marinibacillus marinus 3 (Bacillus marinus, Bacillus globisporus subsp. marinus) 1 MARINICOLA → ROSEIVIRGA 1 MARINICOLA → ROSEIVIRGA 1 MARINILEXILE Mariniflexile gromovii 1 MARINILEXILE Mariniflexile gromovii 1 MARINILABILIA 1 Marinibacilus agarovorans - synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILABILIA 1 Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILUS 1 MARINILACTIBACILUS 1 MARINILICOLORIUS 1 MARINITICOLORIUS 1 MARINITICOLORIUS 1 MARINITOGA 1 MARINOBACTER 1 Marinibozac ramini 1 Marinibozac ramini 1 Marinibozac ramini 1 Marinibozac ramini 1 MARINOBACTER 1 Marinobacter aquaoclei - synonym: 1 Marinobacter phydrocarbonoclasticus 1 Marinobacter phydrocarbonoclasticus 1 Marinobacter phydrocarbonoclasticus 1 Marinobacter quidaorensis 1		1	-	-	1	Notes
MARICHROMATIUM Marichromatum bheemicum Marichromatum gracile (Chromatum gracile) 1 Marichromatum gracile (Chromatum gracile) 1 Marichromatum indicum 1 Marichromatum purpuratum (Chromatium purpuratum) 1 MARINIBACILLUS MARINIBACILLUS Marinibacillus marinus, Bacillus globisporus subsp. marinus) 1 MARINICOLA - ROSEIVIRGA Marinicolas cohaenis - Noseivirga seohaenis - synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflesile promovi 1 MARINIFLEXILE Marinilabilia salmonicolor (Cytophaga salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilabilia salmonicolor (Cytophaga salmonicolor) Marinilabilia salmonicolor (Cytophaga salmonicolor) Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINITERRUS Marinimicrobium agarilyticum Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITERMUS Marininga hydrogenitolerans 1 MARINITOGA Marinitoga hydrogenitolerans 1 Marinitoga hydrogenitolerans 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter algicola Marinobacter algicola Marinobacter synonym: Marinobacter depocensis 1 Marinobacter depocensis 1 Marinobacter depocensis 1 Marinobacter depocensis 1 Marinobacter diptorachonoclasticus 1 Marinobacter gludoanensis 1						
Marichromatium bheemlicum Marichromatium gracile (Chromatium gracile) Marichromatium gracile (Chromatium purpuratum) Marichromatium purpuratum (Chromatium purpuratum) MARINIBACILLUS Marinibacillus campisalis Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roseivirga scohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflesile gromovii 1 MARINILABILIA Marinidabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS MARINILACTIBACILLUS Marinimicrobium sparilyticum Marinimircrobium sparilyticum Marinimircrobium sparilyticum Marinimircrobium sorcense 1 MARINITHERMUS Marinimircrobium sorcense 1 MARINITOGA Marinitoga amini Marininga hydrogenitolerans Marinitoga hydrogenitolerans Marinitoga piczophila 1 MARINOBACTER Marinobacter algicola Marinobacter algicola Marinobacter pydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter hydrocarbonoclasticus		_				
Marichromatium bheemlicum Marichromatium gracile (Chromatium gracile) Marichromatium gracile (Chromatium purpuratum) Marichromatium purpuratum (Chromatium purpuratum) MARINIBACILLUS Marinibacillus campisalis Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roseivirga scohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflesile gromovii 1 MARINILABILIA Marinidabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS MARINILACTIBACILLUS Marinimicrobium sparilyticum Marinimircrobium sparilyticum Marinimircrobium sparilyticum Marinimircrobium sorcense 1 MARINITHERMUS Marinimircrobium sorcense 1 MARINITOGA Marinitoga amini Marininga hydrogenitolerans Marinitoga hydrogenitolerans Marinitoga piczophila 1 MARINOBACTER Marinobacter algicola Marinobacter algicola Marinobacter pydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter hydrocarbonoclasticus	MARICHROMATIUM					
Marichromatium gracile (Chromatium gracile) 1 Marichromatium indicum 1 Marichromatium purpuratum (Chromatium purpuratum) 1 MARINIBACILLUS Marinibacillus campisalis 1 Marinibacillus marinus, Bacillus globisporus subsp. marinus) 1 MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roseivirga seohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflesile gromovii 1 MARINILABILIA MARINILABILIA MARINILABILIA MARINILABILIA MARINILABILIA MARINILABILIA MARINILACTIBACILLUS Marinibacibacillus piezotolerans 1 Marinihabilia salmonicolor (Cytophaga salmonicolor) 1 MARINIMICROBIUM MARINIMICROBIUM MARINIMICROBIUM Marinimicrobium garilytium 1 Marinimicrobium koreense 1 MARINITHERMUS Marininitogo camini 1 Marininitoga camini 1 Marininitoga camini 1 Marininitoga piezophila 1 MARINOBACTER Marinobacter piezophila 1 MARINOBACTER Marinobacter hydrocarbonoclasticus Marinobacter aduenceli – synonym: Marinobacter aduenceli – synonym: Marinobacter depoensis Marinobacter depoensis Marinobacter phydrocarbonoclasticus		1				
Marichromatium indicum Marichromatium purpuratum (Chromatium purpuratum) Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) Marinibacillus marinus, Bacillus globisporus subsp. marinus) Marinitical seohaensis → Roseivirga seohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflexille gromovii 1 MARINILABILIA Mariniflexile gromovii Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) Marinilacibacillus piezotolerans 1 MARINILACTIBACILLUS Marinilacibacillus piezotolerans 1 MARINIMICROBIUM Marinimirerobium agarilyticum Marinimirerobium agarilyticum Marinimirerobium koreense 1 MARINITOGA Marinitoga camini Marinitoga camini Marinitoga hydrogenitolerans Marinitoga pidrogenitolerans Marinitoga pidrogenitolerans Marinitoga pidrogenitolerans Marinitoga pidrogenitolerans Marinitoga pidrogenitolerans Marinitoga pidrogenitolerans Marinibacter aquacolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter falvimaris 1 Marinobacter phydrocarbonoclasticus Marinobacter phydrocarbonoclasticus Marinobacter pudaonensis						
Marichromatium purpuratum (Chromatium purpuratum) MARINIBACILLUS Marinibacillus campisalis Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roseivirga scohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINILAGTIBACILLUS Marinilactibacillus piezotolerans Marinilactibacillus psychrotolerans Marinimicrobium agarilyticum Marinimicrobium korcense MARINITHERMUS Marinithermus hydrothermalis MARINITOGA Marinitoga camini Marinitoga camini Marinitoga camini Marinitoga piezophila Marinitoga piezophila Marinobacter lagicola Marinobacter aquacolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter quadonensis Marinobacter depoensis Marinobacter glavinaris Marinobacter glavinaris Marinobacter glavinaris Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter piyrocarbonoclasticus Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter piyrocarbonoclasticus		1				
Marinibacillus campisalis Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roscivirga seohaensis – synonym: Roscivirga chrenbergii MARINIFLEXILE Mariniflexile gromovii MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINILACTIBACILLUS MARINILACTIBACILLUS MARINILACTIBACILLUS MARINIIROBIUM Marinilartibacillus piezotolerans 1 MARINITHERMUS MARINITHERMUS MARINITHERMUS MARINITOGA MARINOBACTER Marinioga camini 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter dapoconis Marinobacter dapoconis Marinobacter dapoconis Marinobacter dapoconis Marinobacter gudaonensis 1		1				
Marinibacillus campisalis Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roscivirga seohaensis – synonym: Roscivirga chrenbergii MARINIFLEXILE Mariniflexile gromovii MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINILACTIBACILLUS MARINILACTIBACILLUS MARINILACTIBACILLUS MARINIIROBIUM Marinilartibacillus piezotolerans 1 MARINITHERMUS MARINITHERMUS MARINITHERMUS MARINITOGA MARINOBACTER Marinioga camini 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter dapoconis Marinobacter dapoconis Marinobacter dapoconis Marinobacter dapoconis Marinobacter gudaonensis 1	MARINIBACILLUS					
Marinibacillus marinus (Bacillus marinus, Bacillus globisporus subsp. marinus) MARINICOLA → ROSEIVIRGA Marinicola scohaensis → Roseivirga seohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflesile gromovii 1 MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilactibacillus pezotolerans 1 Marinilactibacillus psychrotolerans 1 Marinilactibacillus psychrotolerans 1 MARINIMICROBIUM Marinimicrobium agarilyticum 1 Marinimicrobium Roreense 1 MARINITHERMUS Marinitoga hydrogenitolerans 1 Marinitoga okinawensis 1 Marinitopa cree i pydrocarbonoclasticus Marinobacter alquaeolei – synonym: Marinobacter dapocensis Marinobacter dapocensis Marinobacter dapocensis Marinobacter qualoeneis 1 Marinobacter gudaonensis 1 Marinobacter pydrocarbonoclasticus 1	Marinibacillus campisalis	1				
MARINICOLA → ROSEIVIRGA Marinicola seohaensis → Roseivirga seohaensis – synonym: Roseivirga ehrenbergii MARINIFLEXILE Mariniflexile gromovii 1 MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilactibacillus piezotolerans 1 MARINIMICROBIUM Marinimicrobium agarilyticum 1 Marinimicrobium koreense 1 MARINITHERMUS Marinitoga camini 1 MARINITOGA Marinitoga camini 1 Marinitoga camini 1 Marinitoga piezophila 1 MARINIOBACTER Marinobacter algicola Marinobacter equaeolei – synonym: Marinobacter byrozoorum 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1						
Marinicola seohaensis → Roseivirga seohaensis – synonym: Roseivirga chrenbergii MARINIFLEXILE Mariniflexile gromovii 1 MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS MARINILACTIBACILLUS Marinilactibacillus piezotolerans 1 Marinilactibacillus psychrotolerans 1 Marinilactibacillus psychrotolerans 1 Marinimicrobium agarilyticum 1 Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camin 1 Marinitoga phyrlogenitolerans 1 Marinitoga chinawensis 1 Marinitoga chinawensis 1 Marinobacter aguacolei – synonym: Marinobacter byrlocarbonoclasticus Marinobacter daepoensis 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1	(Bacillus marinus, Bacillus globisporus subsp. marinus)	1				
Roseivirga ehrenbergii MARINIFLEXILE Mariniflexile gromovii 1 MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilactibacillus piezotolerans 1 Marinilactibacillus piezotolerans 1 MARINIMICROBIUM Marinimicrobium agarilyticum 1 Marinimicrobium koreense 1 MARINITHERMUS Marinitoga camini 1 Marinitoga camini 1 Marinitoga okinawensis 1 Marinitoga hydrogenitolerans 1 Marinobacter algicola 1 Marinobacter bydrocarbonoclasticus Marinobacter bydrocarbonoclasticus Marinobacter bydrocarbonoclasticus Marinobacter gudaonensis 1 Marinobacter pydrocarbonoclasticus 1	MARINICOLA → ROSEIVIRGA					
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MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilactibacillus piezotolerans 1 Marinilactibacillus psychrotolerans 1 Marinilactibacillus psychrotolerans 1 MARINIMICROBIUM Marinimicrobium agarilyticum 1 Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini 1 Marinitoga pideonensis 1 Marinobacter alquacolei – synonym: Marinobacter daepoensis 1 Marinobacter guidaonensis 1 Marinobacter guidaonensis 1 Marinobacter guidaonensis 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter pydrocarbonoclasticus 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter pydrocarbonoclasticus 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter pydrocarbonoclasticus 1						
MARINILABILIA Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINILACTIBACILLUS MARINILACTIBACILLUS MARINIMICROBIUM Marinilactibacillus piezotolerans Marinilactibacillus psychrotolerans Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinitoga hydrothermalis 1 MARINITOGA Marinitoga aramin Marinitoga piezophila Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter dacpoensis Marinobacter dacpoensis Marinobacter dacpoensis Marinobacter flavimaris Marinobacter gudaonensis Marinobacter hydrocarbonoclasticus	MARINIFLEXILE					
Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor (Cytophaga salmonicolor) 1 MARINILACTIBACILLUS Marinilactibacillus piezotolerans 1 Marinilactibacillus psychrotolerans 1 MARINIMICROBIUM Marinimicrobium agarilyticum 1 Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 Marinitoga camini 1 Marinitoga phyrogenitolerans 1 Marinitoga piezophila 1 MARINITOGA MARINITOGA Marinitoga piezophila 1 Marinitoga piezophila 1 Marinitoga piezophila 1 Marinitoga piezophila 1 Marinobacter aquaeolei – synonym: Marinobacter byvozoorum 1 Marinobacter byvozoorum 1 Marinobacter daepoensis 1 Marinobacter daepoensis 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1	Mariniflexile gromovii	1				
Marinilabilia salmonicolor (Cytophaga salmonicolor) MARINILACTIBACILLUS Marinilactibacillus piezotolerans Marinilactibacillus psychrotolerans MARINIMICROBIUM Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini Marinitoga okinawensis 1 Marinitoga okinawensis 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter algicola Marinobacter bydrocarbonoclasticus Marinobacter daepoensis Marinobacter daepoensis Marinobacter daepoensis Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter guineae Marinobacter guineae Marinobacter hydrocarbonoclasticus Marinobacter guineae Marinobacter guineae Marinobacter hydrocarbonoclasticus Marinobacter guineae Marinobacter guineae Marinobacter guineae Marinobacter hydrocarbonoclasticus	MARINILABILIA					
MARINILACTIBACILLUS Marinilactibacillus piezotolerans Marinilactibacillus psychrotolerans MARINIMICROBIUM Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini 1 Marinitoga phydrogenitolerans 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter aquacolei – synonym: Marinobacter daepoensis Marinobacter daepoensis Marinobacter daepoensis Marinobacter daepoensis Marinobacter flavimaris Marinobacter gudaonensis 1 Marinobacter hydrocarbonoclasticus	Marinilabilia agarovorans – synonym: Marinilabilia salmonicolor					
Marinilactibacillus piezotolerans Marinilactibacillus psychrotolerans MARINIMICROBIUM Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini Marinitoga okinawensis Marinitoga piezophila Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter depoensis Marinobacter depoensis Marinobacter flavimaris Marinobacter flavimaris Marinobacter gudaonensis Marinobacter hydrocarbonoclasticus Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter hydrocarbonoclasticus	Marinilabilia salmonicolor (Cytophaga salmonicolor)	1				
MARINIMICROBIUM Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini Marinitoga okinawensis Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter hydrocarbonoclasticus Marinobacter flavimaris Marinobacter excellens Marinobacter excellens Marinobacter guiaeae Marinobacter pydrocarbonoclasticus Marinobacter flavimaris Marinobacter guiaeae Marinobacter hydrocarbonoclasticus	MARINILACTIBACILLUS					
MARINIMICROBIUM Marinimicrobium agarilyticum Marinimicrobium koreense 1 MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini Marinitoga okinawensis 1 Marinitoga okinawensis 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter byozoorum Marinobacter bryozoorum 1 Marinobacter daepoensis 1 Marinobacter daepoensis 1 Marinobacter daepoensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter pydrocarbonoclasticus 1	Marinilactibacillus piezotolerans	1				
Marinimicrobium agarilyticum Marinimicrobium koreense MARINITHERMUS Marinithermus hydrothermalis MARINITOGA Marinitoga camini Marinitoga hydrogenitolerans Marinitoga okinawensis Marinitoga piezophila Marinitoga piezophila Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter bydrocarbonoclasticus Marinobacter daepoensis Marinobacter daepoensis Marinobacter daepoensis Marinobacter quadonensis 1 Marinobacter quadonensis 1 Marinobacter quedonensis Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter daepoensis Marinobacter guiaeae 1 Marinobacter guiaeae 1 Marinobacter guineae 1 Marinobacter guineae 1 Marinobacter hydrocarbonoclasticus	Marinilactibacillus psychrotolerans	1				
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MARINITHERMUS Marinithermus hydrothermalis 1 MARINITOGA Marinitoga camini Marinitoga hydrogenitolerans Marinitoga okinawensis Marinitoga piezophila 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter byozoorum Marinobacter byozoorum Marinobacter daepoensis Marinobacter daepoensis Marinobacter flavimaris Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter guineae Marinobacter hydrocarbonoclasticus Marinobacter guineae Marinobacter guineae Marinobacter guineae Marinobacter hydrocarbonoclasticus	Marinimicrobium agarilyticum	1				
Marinithermus hydrothermalis1MARINITOGA1Marinitoga camini1Marinitoga hydrogenitolerans1Marinitoga okinawensis1Marinitoga piezophila1MARINOBACTERMarinobacter algicola1Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus1Marinobacter byozoorum1Marinobacter daepoensis1Marinobacter excellens1Marinobacter gudaonensis1Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1	Marinimicrobium koreense	1				
MARINITOGA Marinitoga camini 1 Marinitoga hydrogenitolerans 1 Marinitoga okinawensis 1 Marinitoga piezophila 1 MARINOBACTER Marinobacter algicola 1 Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter byozoorum 1 Marinobacter daepoensis 1 Marinobacter excellens 1 Marinobacter gudaonensis 1	MARINITHERMUS					
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Marinitoga hydrogenitolerans1Marinitoga okinawensis1Marinitoga piezophila1MARINOBACTERMarinobacter algicola1Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus1Marinobacter bryozoorum1Marinobacter daepoensis1Marinobacter flavimaris1Marinobacter gudaonensis1Marinobacter gudaonensis1Marinobacter yuineae1Marinobacter hydrocarbonoclasticus1	MARINITOGA					
Marinitoga okinawensis Marinitoga piezophila MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum Marinobacter daepoensis Marinobacter excellens Marinobacter flavimaris Marinobacter gudaonensis Marinobacter gudaonensis Marinobacter guineae Marinobacter yulioacee Marinobacter hydrocarbonoclasticus Marinobacter hydrocarbonoclasticus Marinobacter flavimaris Marinobacter gudaonensis Marinobacter guineae Marinobacter hydrocarbonoclasticus	Marinitoga camini	1				
MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum Marinobacter daepoensis Marinobacter excellens Marinobacter flavimaris Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter yudaonensis 1 Marinobacter hydrocarbonoclasticus 1 Marinobacter hydrocarbonoclasticus 1 Marinobacter hydrocarbonoclasticus	Marinitoga hydrogenitolerans	1				
MARINOBACTER Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum Marinobacter daepoensis Marinobacter excellens Marinobacter flavimaris Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter hydrocarbonoclasticus 1 Marinobacter hydrocarbonoclasticus 1	9	1				
Marinobacter algicola Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum 1 Marinobacter daepoensis 1 Marinobacter excellens 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter hydrocarbonoclasticus 1	Marinitoga piezophila	1				
Marinobacter aquaeolei – synonym: Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum 1 Marinobacter daepoensis 1 Marinobacter excellens 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter hydrocarbonoclasticus 1						
Marinobacter hydrocarbonoclasticus Marinobacter bryozoorum 1 Marinobacter daepoensis 1 Marinobacter excellens 1 Marinobacter flavimaris 1 Marinobacter gudaonensis 1 Marinobacter gudaonensis 1 Marinobacter guineae 1 Marinobacter hydrocarbonoclasticus 1	e	1				
Marinobacter bryozoorum1Marinobacter daepoensis1Marinobacter excellens1Marinobacter flavimaris1Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1						
Marinobacter daepoensis1Marinobacter excellens1Marinobacter flavimaris1Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1	· · · · · · · · · · · · · · · · · · ·	1				
Marinobacter excellens1Marinobacter flavimaris1Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1						
Marinobacter flavimaris1Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1						
Marinobacter gudaonensis1Marinobacter guineae1Marinobacter hydrocarbonoclasticus1						
Marinobacter guineae 1 Marinobacter hydrocarbonoclasticus 1						
Marinobacter hydrocarbonoclasticus 1						
		1				
		1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Marinobacter lipolyticus	1				
Marinobacter litoralis	1				
Marinobacter lutaoensis	1				
Marinobacter maritimus	1				
Marinobacter pelagius	1				
Marinobacter psychrophilus	1				
Marinobacter salicampi	1				
Marinobacter salsuginis	1				
Marinobacter sediminum	1				
Marinobacter segnicrescens	1				
Marinobacter vinifirmus	1				
MARINOBACTERIUM					
Marinobacterium georgiense	1				
Marinobacterium halophilum	1				
Marinobacterium jannaschii (Oceanospirillum jannaschii)	1				
Marinobacterium litorale	1				
Marinobacterium rhizophilum	1				
Marinobacterium stanieri (Pseudomonas stanieri)	1				
MARINOCOCCUS					
Marinococcus albus → Salimicrobium album					
Marinococcus halophilus (Planococcus halophilus)	1				
Marinococcus halotolerans	1				
Marinococcus hispanicus → Salinicoccus hispanicus					
MARINOMONAS					
Marinomonas aquimarina	1				
Marinomonas arctica	1				
Marinomonas communis = Oceanospirillum commune (Alteromonas communis)	1				
Marinomonas dokdonensis	1				
Marinomonas mediterranea	1				
Marinomonas ostreistagni	1				
Marinomonas polaris	1				
Marinomonas pontica	1				
Marinomonas primoryensis	1				
Marinomonas ushuaiensis	1				
Marinomonas vaga = Oceanospirillum vagum (Alteromonas vaga)	1				
MARINOSPIRILLUM					
Marinospirillum alkaliphilum	1				
Marinospirillum insulare	1				
Marinospirillum megaterium	1				
Marinospirillum minutulum (Oceanospirillum minutulum)	1				
MARINOVUM					
Marinovum algicola (Ruegeria algicola, Roseobacter algicola)	1				
MARITIMIBACTER					

Genera		Risk	group		NT
Species	1	2	3	4	Notes
Marixanthomonas ophiurae	1				
MARMORICOLA					
Marmoricola aequoreus	1				
Marmoricola aurantiacus	1				
Marmoricola bigeumensis	1				
MARTELELLA					
Martelella mediterranea	1				
MARVINBRYANTIA					
Marvinbryantia formatexigens (Bryantella formatexigens)	1				
MASSILIA					
Massilia aerilata	1				
Massilia albidiflava	1				
Massilia aurea	1				
Massilia brevitalea	1				
Massilia dura	1				
Massilia lutea	1				
Massilia plicata	1				
Massilia timonae	1				+
MECHERCHARIMYCES					
Mechercharimyces asporophorigenens	1				
Mechercharimyces mesophilus	1				
MEGAMONAS					
Megamonas funiformis	1				
Megamonas hypermegale (Bacteroides hypermegas)	1				
MEGANEMA					
Meganema perideroedes	1				
MEGASPHAERA					
Megasphaera cerevisiae	1				
Megasphaera elsdenii		2			ht
Megasphaera micronuciformis	1				+
Megasphaera paucivorans	1				
Megasphaera sueciensis	1				
MEIOTHERMUS					
Meiothermus cerbereus	1				
Meiothermus chliarophilus (Thermus chliarophilus)	1				
Meiothermus ruber (Thermus ruber)	1				
Meiothermus silvanus (Thermus silvanus)	1				
Meiothermus taiwanensis	1				
Meiothermus timidus	1				
MELISSOCOCCUS					
Melissococcus plutonius	1				n
MELITTANGIUM					

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Melittangium alboraceum	1				
Melittangium boletus	1				
Melittangium lichenicola	1				
MENISCUS					
Meniscus glaucopis	1				
MESONIA					
Mesonia algae	1				
Mesonia mobilis	1				
MESOPHILOBACTER					
Mesophilobacter marinus	1				
MESOPLASMA					
Mesoplasma chauliocola	1				
Mesoplasma coleopterae	1				
Mesoplasma corruscae	1				
Mesoplasma entomophilum (Acholeplasma entomophilum)	1				
Mesoplasma florum (Acholeplasma florum)	1				
Mesoplasma grammopterae	1				
Mesoplasma lactucae (Mycoplasma lactucae)	1				
Mesoplasma photuris	1				
Mesoplasma pleciae → Acholeplasma pleciae					
Mesoplasma seiffertii (Acholeplasma seiffertii)	1				
Mesoplasma syrphidae	1				
Mesoplasma tabanidae	1				
MESORHIZOBIUM					
Mesorhizobium albiziae	1				
Mesorhizobium amorphae	1				
Mesorhizobium chacoense	1				
Mesorhizobium ciceri (Rhizobium ciceri)	1				
Mesorhizobium huakuii (Rhizobium huakuii)	1				
Mesorhizobium loti (Rhizobium loti)	1				
Mesorhizobium mediterraneum (Rhizobium mediterraneum)	1				
Mesorhizobium plurifarium	1				
Mesorhizobium septentrionale	1				
Mesorhizobium temperatum	1				
Mesorhizobium thiogangeticum	1				
Mesorhizobium tianshanense (Rhizobium tianshanense)	1				
METALLOSPHAERA					
Metallosphaera hakonensis (Sulfolobus hakonensis)	1				
Metallosphaera prunae	1				
Metallosphaera sedula	1				
METASCARDOVIA					
Metascardovia criceti	1				
METHANIMICROCOCCUS					
Methanimicrococcus blatticola	1				

Genera		Risk	group		Notes
Species	1	2	3	4	rotes
METHANOBACTERIUM					
Methanobacterium aarhusense	1				
Methanobacterium alcaliphilum	1				
Methanobacterium arbophilicum → Methanobrevibacter arboriphilus					
Methanobacterium beijingense	1				
Methanobacterium bryantii	1				
Methanobacterium congolense	1				
Methanobacterium defluvii → Methanothermobacter defluvii					
Methanobacterium espanolae	1				
Methanobacterium formicicum	1				
Methanobacterium ivanovii	1				
Methanobacterium wanoru Methanohacterium mobile → Methanomicrobium mobile	1				
	1				
Methanobacterium oryzae	1				
Methanobacterium palustre	1				
Methanobacterium ruminantium → Methanobrevibacter ruminantium					
Methanobacterium subterraneum	1				
Methanohacterium thermoaggregans	1				
Methanobacterium thermoalcaliphilum – synonym:					
Methanobacterium thermoautotrophicum					
→ Methanothermobacter thermoautotrophicus					
Methanohacterium thermoautotrophicum					
→ Methanothermobacter thermoautotrophicus					
Methanobacterium thermoflexum \rightarrow Methanothermobacter thermoflexus					
Methanobacterium thermoformicicum – synonym:					
Methanobacterium thermoautotrophicum					
→ Methanothermobacter thermoautotrophicus					
Methanobacterium thermophilum \rightarrow Methanothermobacter thermophilus					
Methanobacterium uliginosum	1				
Methanobacterium wolfei → Methanothermobacter wolfeii					
METHANOBREVIBACTER					
Methanobrevibacter acididurans	1				
Methanobrevibacter arboriphilus (Methanobacterium arbophilicum)	1				
Methanobrevibacter curvatus	1				
Methanobrevibacter cuticularis	1				
Methanobrevibacter filiformis	1				
Methanobrevibacter gottschalkii	1				
Methanobrevibacter millerae	1				
Methanobrevibacter olleyae	1				
Methanobrevibacter oralis	1				
Methanobrevibacter ruminantium (Methanobacterium ruminantium)	1				
Methanobrevibacter smithii	1				
Methanobrevibacter woesei	1				
Methanobrevibacter wolinii	1				
<i>METHANOCALCULUS</i>					
Methanocalculus chunghsingensis	1				
Methanocalculus halotolerans	1				
Methanocalculus pumilus	1				
Methanocalculus taiwanensis	1				

METHANOCALDOCOCCUS

Genera		Risk	group		* T .
Species	1	2	3	4	Notes
Methanocaldococcus fervens (Methanococcus fervens)	1			•	
Methanocaldococcus indicus	1				
Methanocaldococcus infernus (Methanococcus infernus)	1				
Methanocaldococcus jannaschii (Methanococcus jannaschii)	1				
Methanocaldococcus vulcanius (Methanococcus vulcanius)	1				
(-1200anotano)	•				
METHANOCELLA					
Methanocella paludicola	1				
<i>METHANOCOCCOIDES</i>					
Methanococcoides alaskense	1				
Methanococcoides burtonii	1				
Methanococcoides methylutens	1				
<i>METHANOCOCCUS</i>					
Methanococcus aeolicus	1				
Methanococcus deltae – synonym: Methanococcus maripaludis	•				
Methanococcus fervens → Methanocaldococcus fervens					
Methanococcus frisius → Methanosarcina mazei					
Methanococcus halophilus → Methanohalophilus halophilus					
Methanococcus igneus → Methanotorris igneus					
Methanococcus infernus → Methanocaldococcus infernus					
Methanococcus jannaschii → Methanocaldococcus jannaschii Methanococcus maripaludis	1				
Methanococcus mazei → Methanosarcina mazei					
Methanococcus thermolithotrophicus \rightarrow Methanothermococcus thermolithotrophicus					
Methanococcus vannielii	1				
Methanococcus voltae	1				
Methanococcus vulcanius → Methanocaldococcus vulcanius					
<i>METHANOCORPUSCULUM</i>					
	1				
Methanocorpusculum aggregans (Methanogenium aggregans)	1				
Methanocorpusculum bavaricum	1				
Methanocorpusculum labreanum	1				
Methanocorpusculum parvum	1				
Methanocorpusculum sinense	1				
METHANOCULLEUS					
Methanoculleus bourgensis (Methanogenium bourgense)	1				
Methanoculleus chikugoensis	1				
Methanoculleus marisnigri (Methanogenium marisnigri)	1				
Methanoculleus oldenburgensis – synonym: Methanoculleus bourgensis					
Methanoculleus olentangyi – synonym: Methanoculleus bourgensis					
Methanoculleus palmolei	1				
Methanoculleus submarinus	1				
Methanoculleus thermophilus (Methanogenium thermophilicum)	1				
<i>METHANOFOLLIS</i>					
Methanofollis aquaemaris	1				
Methanofollis formosanus	1				
Methanofollis liminatans (Methanogenium liminatans)	1				
Methanofollis tationis (Methanogenium tationis)	1				

Genera			3. 7	
Species	1	Risk group 2 3	4	Notes
METHANOGENHA				
METHANOGENIUM Methanogenium assurance Methanogenium assurance and methanogenium assur				
Methanogenium aggregans → Methanocorpusculum aggregans				
Methanogenium bourgense → Methanoculleus bourgensis	4			
Methanogenium cariaci	1 1			
Methanogenium frigidum Methanogenium frittonii – synonym: Methanoculleus thermophilus	1			
Methanogenium liminatans → Methanofollis liminatans				
Methanogenium uminutans → Methanojotus uminutans Methanogenium marinum	1			
Methanogenium marisnigri → Methanoculleus marisnigri	1			
Methanogenium olentangyi → Methanoculleus olentangyi				
Methanogenium orentangų – įvietiunociuteus otentangų. Methanogenium organophilum	1			
Methanogenium tationis → Methanofollis tationis	1			
Methanogenium thermophilicum — Methanoculleus thermophilus				
internanogenium inermophilicum $ op$ internanocialieus inermophilias				
METHANOHALOBIUM				
Methanohalobium evestigatum	1			
<i>METHANOHALOPHILUS</i>				
Methanohalophilus halophilus (Methanococcus halophilus)	1			
Methanohalophilus mahii	1			
Methanohalophilus oregonensis $ ightarrow$ Methanolobus oregonensis				
Methanohalophilus portucalensis	1			
Methanohalophilus zhilinae → Methanosalsum zhilinae				
<i>METHANOLACINIA</i>				
Methanolacinia paynteri (Methanomicrobium paynteri)	1			
<i>METHANOLINEA</i>				
Methanolinea tarda	1			
METHANOLOBUS				
Methanolobus bombayensis	1			
Methanolobus oregonensis (Methanohalophilus oregonensis)	1			
Methanolobus siciliae → Methanosarcina siciliae				
Methanolobus taylorii	1			
Methanolobus tindarius	1			
Methanolobus vulcani	1			
<i>METHANOMETHYLOVORANS</i>				
Methanomethylovorans hollandica	1			
Methanomethylovorans thermophila	1			
<i>METHANOMICROBIUM</i>				
Methanomicrobium mobile (Methanobacterium mobile)	1			
Methanomicrobium paynteri → Methanolacinia paynteri				
<i>METHANOPLANUS</i>				
Methanoplanus endosymbiosus	1			
Methanoplanus limicola	1			
Methanoplanus petrolearius	1			

Genera		Risk	group		NI-4-
Species	1	2	3	4	Notes
METHANOPYRUS					
Methanopyrus kandleri	1				
<i>METHANOSAETA</i>					
Methanosaeta concilii (Methanothrix concilii)	1				
Methanosaeta harundinacea	1				
Methanosaeta thermoacetophila (Methanothrix thermoacetophila)	1				
METHANOSALSUM					
Methanosalsum zhilinae (Methanohalophilus zhilinae)	1				
<i>METHANOSARCINA</i>					
Methanosarcina acetivorans	1				
Methanosarcina baltica	1				
Methanosarcina barkeri	1				
Methanosarcina frisia – synonym: Methanosarcina mazei					
Methanosarcina lacustris	1				
Methanosarcina mazei (Methanococcus mazei)	1				
Methanosarcina methanica	1				
Methanosarcina semesiae	1				
Methanosarcina siciliae (Methanolobus siciliae)	1				
Methanosarcina thermophila	1				
Methanosarcina vacuolata	1				
<i>METHANOSPHAERA</i>					
Methanosphaera cuniculi	1				
Methanosphaera stadtmanae	1				
METHANOSPIRILLUM					
Methanospirillum hungatei	1				
METHANOTHERMOBACTER					
Methanothermobacter defluvii (Methanobacterium defluvii)	1				
Methanothermobacter marburgensis	1				
Methanothermohacter thermoautotrophicus					
(Methanobacterium thermoautotrophicum)	1				
Methanothermobacter thermoflexus (Methanobacterium thermoflexum)	1				
Methanothermobacter thermophilus (Methanobacterium thermophilum)	1				
Methanothermobacter wolfeii (Methanobacterium wolfei)	1				
METHANOTHERMOCOCCUS					
Methanothermococcus okinawensis	1				
Methanothermococcus thermolithotrophicus (Methanococcus thermolithotrophicus)	1				
METHANOTHERMUS					
Methanothermus fervidus	1				
Methanothermus sociabilis	1				
METHANOTHRIX					
Methanothrix concilii → Methanosaeta concilii					
Methanothrix soehngenii	1				
Methanothrix thermoacetophila → Methanosaeta thermoacetophila					
Methanothrix thermophila	1				

Genera			Notes		
Species	1	2 3	4	Notes	
METHANOTORRIS					
Methanotorris formicicus	1				
Methanotorris igneus (Methanococcus igneus)	1				
METHERMICOCCUS					
Methermicoccus shengliensis	1				
METHYLARCULA					
Methylarcula marina	1				
Methylarcula terricola	1				
arean fareday	1				
METHYLIBIUM					
Methylibium aquaticum	1				
Methylibium fulvum	1				
Methylibium petroleiphilum	1				
METHYLOBACILLUS					
Methylobacillus flagellatum	1				
Methylobacillus glycogenes	1				
Methylobacillus pratensis	1				
internytopaemas prateriots	•				
METHYLOBACTER					
Methylobacter agilis → Methylomicrobium agile					
Methylobacter albus → Methylomicrobium album					
Methylobacter luteus (Methylococcus luteus)	1				
Methylobacter marinus	1				
Methylobacter pelagicus → Methylomicrobium pelagicum					
Methylobacter psychrophilus	1				
Methylobacter tundripaludum	1				
Methylobacter whittenburyi (Methylococcus whittenburyi)	1				
METHYLOBACTERIUM					
Methylobacterium adhaesivum	1				
Methylobacterium aerolatum	1				
Methylobacterium aminovorans	1				
Methylobacterium aquaticum	1				
Methylobacterium brachiatum	1				
Methylobacterium chloromethanicum	1				
Methylobacterium dichloromethanicum	1				
Methylobacterium extorquens (Protomonas extorquens)	1				
Methylobacterium fujisawaense	1				
Methylobacterium gregans	1				
Methylobacterium hispanicum	1				
Methylobacterium iners	1				
Methylobacterium isbiliense	1				
Methylobacterium jeotgali	1				
Methylobacterium komagatae	1				
Methylobacterium lusitanum	1				
Methylobacterium mesophilicum (Pseudomonas mesophilica)	1			+	
Methylobacterium nodulans	1				
Methylobacterium organophilum	1				
Methylobacterium oryzae	1				

Genera		Risk group		
Species	1	2 3	4	Notes
Methylobacterium persicinum	1	2 3		
Methylobacterium platani	1			
Methylobacterium populi	1			
Methylobacterium radiotolerans (Pseudomonas radiora)	1			
Methylobacterium rhodesianum	1			
Methylobacterium rhodinum (Pseudomonas rhodos)	1			
Methylobacterium salsuginis				
•	1			
Methylobacterium suomiense	1			
Methylobacterium tardum	1			
Methylobacterium thiocyanatum	1			
Methylobacterium variabile	1			
Methylobacterium zatmanii	1			
METHYLOCALDUM				
Methylocaldum gracile	1			
Methylocaldum szegediense	1			
Methylocaldum tepidum	1			
METHYLOCAPSA				
Methylocapsa acidiphila	1			
METHYLOCELLA				
Methylocella palustris	1			
Methylocella silvestris	1			
Methylocella tundrae	1			
METHYLOCOCCUS				
Methylococcus bovis – synonym: Methylobacter luteus				
Methylococcus capsulatus	1			
Methylococcus chroococcus	1			
Methylococcus luteus → Methylobacter luteus				
Methylococcus mobilis	1			
Methylococcus thermophilus	1			
Methylococcus vinelandii – synonym: Methylobacter whittenburyi	1			
Methylococcus whittenburyi → Methylobacter whittenburyi				
METHYLOCYSTIS				
Methylocystis echinoides	1			
Methylocystis heyeri	1			
Methylocystis hirsuta	1			
Methylocystis parva	1			
Methylocystis rosea	1			
METHYLOHALOBIUS				
Methylohalobius crimeensis	1			
1.2011/10110100100 CHITCOIDIO	1			
METHYLOHALOMONAS				
Methylohalomonas lacus	1			
METHYLOMICROBIUM				
Methylomicrobium agile (Methylobacter agilis)	1			
Methylomicrobium album (Methylobacter albus)	1			
Methylomicrobium alcaliphilum	1			
	•			

Genera		Risk group		
Species	1	2 3	4	Notes
Methylomicrobium buryatense	1		•	
Methylomicrobium japanense	1			
Methylomicrobium kenyense	1			
Methylomicrobium pelagicum	•			
(Methylomonas pelagica, Methylobacter pelagicus)	1			
METHYLOMONAS				
Methylomonas aurantiaca	1			
Methylomonas fodinarum	1			
Methylomonas methanica	1			
Methylomonas pelagica → Methylomicrobium pelagicum				
Methylomonas scandinavica	1			
METHYLONATRUM				
Methylonatrum kenyense	1			
METHYLOPHAGA				
Methylophaga alcalica	1			
Methylophaga aminisulfidivorans	1			
Methylophaga marina	1			
Methylophaga sulfidovorans	1			
Methylophaga thalassica	1			
METHYLOPHILUS				
Methylophilus leisingeri	1			
Methylophilus methylotrophus	1			
METHYLOPILA				
Methylopila capsulata	1			
Methylopila helvetica	1			
METHYLORHABDUS				
Methylorhabdus multivorans	1			
METHYLOSARCINA				
Methylosarcina fibrata	1			
Methylosarcina lacus	1			
Methylosarcina quisquiliarum	1			
METHYLOSINUS				
Methylosinus sporium	1			
Methylosinus trichosporium	1			
METHYLOSOMA				
Methylosoma difficile	1			
METHYLOSPHAERA	_			
Methylosphaera hansonii	1			
METHYLOTENERA Makkylotenens makilis	4			
Methylotenera mobilis	1			
METHYLOTHERMUS	4			
Methylothermus thermalis	1			

Genera		Risk group				
Species	1	2	3	4	Notes	
METHYLOVERSATILIS						
Methyloversatilis universalis	1					
METHYLOVORUS						
Methylovorus glucosotrophus	1					
Methylovorus mays	1					
MICAVIBRIO						
Micavibrio admirandus	1					
Micaviono admirandus	1					
MICROBACTERIUM						
Microbacterium aerolatum	1					
Microbacterium aoyamense	1					
Microbacterium aquimaris	1					
Microbacterium arabinogalactanolyticum						
(Aureobacterium arabinogalactanolyticum)	1					
Microbacterium arborescens	1					
Microbacterium aurantiacum	1					
Microbacterium aurum	1					
Microbacterium barkeri (Aureobacterium barkeri)	1					
Microbacterium chocolatum	1					
Microbacterium deminutum	1					
Microbacterium dextranolyticum	1					
Microbacterium esteraromaticum						
(Flavobacterium esteraromaticum, Aureobacterium esteraromaticum)	1					
Microbacterium flavescens						
(Arthrobacter flavescens, Aureobacterium flavescens)	1					
Microbacterium flavum	1					
Microbacterium foliorum	1					
Microbacterium ginsengisoli	1					
Microbacterium gubbeenense	1					
Microbacterium halophilum	1					
Microbacterium halotolerans	1					
Microbacterium hatanonis	1					
Microbacterium hominis	1					
Microbacterium hydrocarbonoxydans	1					
Microbacterium imperiale (Brevibacterium imperiale)	1					
Microbacterium indicum	1					
Microbacterium keratanolyticum (Aureobacterium keratanolyticum)	1					
Microbacterium ketosireducens	1					
Microbacterium kitamiense	1					
Microbacterium koreense	1					
Microbacterium lacticum	1					
Microbacterium lacus	1					
Microbacterium laevaniformans	1					
Microbacterium liquefaciens (Aureobacterium liquefaciens)	1					
Microbacterium luteolum (Aureobacterium luteolum)	1					
Microbacterium luticocti	1					
Microbacterium marinilacus	1					
Microbacterium maritypicum (Flavobacterium marinotypicum)	1					
Microbacterium natoriense	1					
Microbacterium oleivorans	1					

Genera		Risk	group		Mata
Species	1	2	3	4	Notes
Microbacterium oxydans (Brevibacterium oxydans)	1				
Microbacterium paludicola	1				
Microbacterium paraoxydans	1				+
Microbacterium phyllosphaerae	1				
Microbacterium pumilum	1				
Microbacterium resistens (Aureobacterium resistens)		2			
Microbacterium saperdae					
(Brevibacterium saperdae, Curtobacterium saperdae,					
Aureobacterium saperdae)	1				
Microbacterium schleiferi (Aureobacterium schleiferi)	1				
Microbacterium sediminicola	1				
Microbacterium terrae (Aureobacterium terrae)	1				
Microbacterium terregens					
(Arthrobacter terregens, Aureobacterium terregens)	1				
Microbacterium terricolae	1				
Microbacterium testaceum					
(Brevibacterium testaceum, Curtobacterium testaceum,	1				
Aureobacterium testaceum)	1				
Microbacterium thalassium	1				
Microbacterium trichothecenolyticum (Aurosbacterium trichothecenolyticum)	1				
(Aureobacterium trichothecenolyticum) Microbacterium ulmi	1				
	1				
Microbacterium xylanilyticum	1				
MICROBISPORA					
Microbispora aerata → Microbispora rosea subsp. aerata					
Microbispora amethystogenes – synonym:					
Microbispora rosea subsp. rosea					
Microbispora bispora → Thermobispora bispora					
Microbispora chromogenes – synonym:					
Microbispora rosea subsp. rosea					
Microbispora corallina	1				
Microbispora diastatica – synonym: Microbispora rosea subsp. rosea					
Microbispora echinospora → Actinomadura echinospora					
Microbispora indica – synonym: Microbispora rosea subsp. rosea					
Microbispora karnatakensis – synonym:					
Microbispora rosea subsp. rosea					
Microbispora mesophila (Thermomonospora mesophila)	1				
Microbispora parva – synonym: Microbispora rosea subsp. rosea					
Microbispora rosea → Microbispora rosea subsp. rosea					
Microbispora rosea subsp. aerata (Microbispora aerata)	1				
Microbispora rosea subsp. rosea (Microbispora rosea)	1				
Microbispora thermodiastatica – synonym:					
Microbispora rosea subsp. aerata					
Microbispora thermorosea – synonym: Microbispora rosea subsp. aerata					
Microbispora viridis → Actinomadura rugatobispora					
MICROBULBIFER					
Microbulbifer agarilyticus	1				
Microbulbifer celer	1				
Microbulbifer elongatus (Pseudomonas elongata)	1				
Microbulbifer hydrolyticus	1				
Microbulbifer maritimus	1				

Genera		Risk	group		N T
Species	1	2	3	4	Notes
Microbulbifer salipaludis	1				
Microbulbifer thermotolerans	1				
MICROCELLA					
Microcella alkaliphila	1				
Microcella putealis	1				
MICROCOCCUS					
Micrococcus agilis → Arthrobacter agilis					
Micrococcus antarcticus	1				
Micrococcus flavus	1				
Micrococcus halobius → Nesterenkonia halobia					
Micrococcus kristinae → Kocuria kristinae					
Micrococcus luteus	1				
Micrococcus lylae	1				
•	1				
Micrococcus nishinomiyaensis → Dermacoccus nishinomiyaensis					
Micrococcus roseus → Kocuria rosea					
Micrococcus sedentarius → Kytococcus sedentarius					
Micrococcus varians → Kocuria varians					
$MICROCYCLUS \rightarrow ANCYLOBACTER$					
Microcyclus aquaticus \rightarrow Ancylobacter aquaticus					
MICROELLOBOSPORIA → STREPTOMYCES					
Microellobosporia cinerea → Streptomyces cinereus					
Microellobosporia flavea → Streptomyces flaveus					
Microellobosporia grisea – synonym: Streptomyces pseudoechinosporeus					
Microellobosporia violacea – synonym: Streptomyces yerevanensis					
MICROLUNATUS					
Microlunatus ginsengisoli	1				
Microlunatus phosphovorus	1				
MICROMONAS → PARVIMONAS					
Micromonas micros (Peptostreptococcus micros) \rightarrow Parvimonas micra					
MICROMONOSPORA					
Micromonospora aurantiaca	1				
Micromonospora auratinigra	1				
Micromonospora brunnea – synonym: Micromonospora purpureochromogenes					
Micromonospora carbonacea	1				
Micromonospora carbonacea subsp. aurantiaca					
→ Micromonospora carbonacea					
Micromonospora carbonacea subsp. carbonacea					
→ Micromonospora carbonacea					
Micromonospora chaiyaphumensis	1				
Micromonospora chalcea	1				
Micromonospora chersina	1				
Micromonospora chokoriensis	1				
Micromonospora citrea	1				

enera		Risk group			
Species	1	2	3	4	Notes
Micromonospora coerulea	1				
Micromonospora coriariae	1				
Micromonospora coxensis	1				
Micromonospora eburnea	1				
Micromonospora echinaurantiaca	1				
Micromonospora echinofusca	1				
Micromonospora echinospora					
(Micromonospora echinospora subsp. echinospora, Micromonospora echinospora subsp. ferruginea)	1				
Micromonospora echinospora subsp. echinospora					
→ Micromonospora echinospora					
Micromonospora echinospora subsp. ferruginea					
→ Micromonospora echinospora					
Micromonospora echinospora subsp. pallida					
→ Micromonospora pallida					
Micromonospora endolithica	1				
Micromonospora fulviviridis	1				
Micromonospora gallica	1				
Micromonospora halophytica	•				
(Micromonospora halophytica subsp. halophytica)	1				
Micromonospora halophytica subsp. halophytica					
→ Micromonospora halophytica					
Micromonospora halophytica subsp. nigra → Micromonospora nigra					
Micromonospora inaopityuca subsp. nigra –7 Micromonospora nigra	1				
Micromonospora inyonensis	1				
Micromonospora Inyonensis	1				
Micromonospora matsumotoense (Catellatospora matsumotoense)	1				
Micromonospora mirobrigensis	1				
Micromonospora nigra (Micromonospora halophytica subsp. nigra)	1				
	1				
Micromonospora olivasterospora	_				
Micromonospora pallida (Micromonospora echinospora subsp. pallida)	1				
Micromonospora pattaloongensis	1				
Micromonospora peucetia	1				
Micromonospora purpurea – synonym: Micromonospora echinospora	4				
Micromonospora purpureochromogenes	1				
Micromonospora rhodorangea – synonym:					
Micromonospora echinospora	1				
Micromonospora rifamycinica	1				
Micromonospora rosaria	1				
Micromonospora saelicesensis	1				
Micromonospora sagamiensis	1				
Micromonospora siamensis	1				
Micromonospora viridifaciens	1				
MICROPOLYSPORA					
Micropolyspora angiospora → Nonomuraea angiospora					
Micropolyspora brevicatena → Nocardia brevicatena					
Micropolyspora faeni – synonym: Faenia rectivirgula					
→ Saccharopolyspora rectivirgula					
Micropolyspora internatus	1				
Micropolyspora rectivirgula → Saccharopolyspora rectivirgula					

Genera		Risk	group		NT ·
Species	1	2	3	4	Notes
MICROPRUINA					
Micropruina glycogenica	1				
MICROSCILLA					
Microscilla marina	1				
MICROSPHAERA → NAKAMURELLA					
Microsphaera multipartita \rightarrow Nakamurella multipartita					
MICROTERRICOLA					
Microterricola viridarii	1				
MICROTETRASPORA					
Microtetraspora africana → Nonomuraea africana					
Microtetraspora angiospora → Nonomuraea angiospora					
Microtetraspora fastidiosa → Nonomuraea fastidiosa					
Microtetraspora ferruginea → Nonomuraea ferruginea					
Microtetraspora flexuosa → Nonomuraea flexuosa					
Microtetraspora fusca	1				
Microtetraspora glauca	1				
Microtetraspora helvata → Nonomuraea helvata					
Microtetraspora malaysiensis	1				
Microtetraspora niveoalba	1				
Microtetraspora polychroma \rightarrow Nonomuraea polychroma					
Microtetraspora pusilla → Nonomuraea pusilla					
Microtetraspora recticatena \rightarrow Nonomuraea recticatena					
Microtetraspora roseola $ o$ Nonomuraea roseola					
Microtetraspora roseoviolacea					
→ Nonomuraea roseoviolacea subsp. roseoviolacea					
Microtetraspora rubra → Nonomuraea rubra					
Microtetraspora salmonea \rightarrow Nonomuraea salmonea					
Microtetraspora spiralis → Nonomuraea spiralis					
Microtetraspora turkmeniaca → Nonomuraea turkmeniaca					
Microtetraspora tyrrhenii	1				
Microtetraspora viridis → Actinomadura viridis					
MICROVIRGA					
Microvirga subterranea	1				
MICROVIRGULA					
Microvirgula aerodenitrificans	1				
MILLISIA					
Millisia brevis	1				
MITSUARIA					
Mitsuaria chitosanitabida	1				
MITSUOKELLA					
Mitsuokella dentalis \rightarrow Prevotella dentalis					
Mitsuokella jalaludinii	1				

Genera		Risk g	group		Nistan
Species	1	2	3	4	Notes
Mitsuokella multacida (Bacteroides multiacidus)		2			
MOBILUNCUS					
Mobiluncus curtisii subsp. curtisii		2			
Mobiluncus curtisii subsp. holmesii		2			
Mobiluncus mulieris		2			
MODESTOBACTER					
Modestobacter multiseptatus	1				
Modestobacter versicolor	1				
MODICISALIBACTER					
Modicisalibacter tunisiensis	1				
MOELLERELLA					
Moellerella wisconsensis		2			
MOGIBACTERIUM					
Mogibacterium diversum	1				+
Mogibacterium neglectum		2			
Mogibacterium pumilum		2			
Mogibacterium timidum (Eubacterium timidum)		2			
Mogibacterium vescum		2			
MOORELLA					
Moorella glycerini	1				
Moorella mulderi	1				
Moorella thermoacetica (Clostridium thermoaceticum)	1				
Moorella thermoautotrophica (Clostridium thermoautotrophicum)	1				
MORAXELLA					
Moraxella anatipestifer → Riemerella anatipestifer					
Moraxella (Subgenus Moraxella) atlantae		2			
Moraxella boevrei	1				
Moraxella (Subgenus Moraxella) bovis		2			ht
Moraxella bovoculi		2			t
Moraxella canis	1				+
Moraxella caprae	1				
Moraxella (Subgenus Branhamella) catarrhalis		2			ht
Moraxella (Subgenus Branhamella) caviae = Neisseria caviae	1				
Moraxella (Subgenus Branhamella) cuniculi (Neisseria cuniculi)	1				
Moraxella equi		2			t
Moraxella (Subgenus Moraxella) lacunata		2			
Moraxella lincolnii	1				+
Moraxella (Subgenus Moraxella) nonliquefaciens		2			
Moraxella oblonga	1				
Moraxella (Subgenus Moraxella) osloensis		2			ht
Moraxella (Subgenus Branhamella) ovis = Neisseria ovis		2			t
Moraxella (Subgenus Moraxella) phenylpyruvica					
→ Psychrobacter phenylpyruvicus					
Moraxella saccharolytica		2			
Moraxella urethralis → Oligella urethralis					
_					

Genera		Risk group		NI ₀ 4
Species	1	2 3	4	Notes
MORGANELLA				
Morganella morganii subsp. morganii = Proteus morganii		2		ht
Morganella morganii subsp. sibonii		2		
Morganella psychrotolerans	1			Т
MORITELLA				
Moritella abyssi	1			
Moritella dasanensis	1			
Moritella japonica	1			
Moritella marina (Vibrio marinus)	1			
Moritella profunda	1			
Moritella viscosa (Vibrio viscosus)	1			t2
Moritella yayanosii	1			
MOROCOCCUS				
Morococcus cerebrosus		2		
MORYELLA				
Moryella indoligenes		2		
MUCILAGINIBACTER				
Mucilaginibacter gracilis	1			
Mucilaginibacter paludis	1			
MURICAUDA				
Muricauda aquimarina	1			
Muricauda flavescens	1			
Muricauda lutimaris	1			
Muricauda ruestringensis	1			
	1			
MURICOCCUS				
Muricoccus roseus	1			
MYCELIGENERANS				
Myceligenerans crystallogenes	1			
Myceligenerans xiligouense	1			
MYCETOCOLA				
Mycetocola lacteus	1			
Mycetocola saprophilus	1			
Mycetocola tolaasinivorans	1			
MYCOBACTERIUM				
Mycobacterium abscessus (Mycobacterium chelonae subsp. abscessus)		2		ht
Mycobacterium africanum		3		V, Z
Mycobacterium agri	1			
Mycobacterium aichiense	1			
Mycobacterium alvei	1			
Mycobacterium arupense		2		
Mycobacterium asiaticum		2		ht
Mycobacterium aubagnense		2		
Mycobacterium aurum	1			
Mycobacterium austroafricanum	1			

Genera		Risk group			Notes
Species	1	2	3	4	Notes
Mycobacterium avium → Mycobacterium avium subsp. avium					
Mycobacterium avium subsp. avium (Mycobacterium avium)		2			ht
Mycobacterium avium subsp. paratuberculosis					
(Mycobacterium paratuberculosis)		2			ht
Mycobacterium avium subsp. silvaticum		2			ht
Mycobacterium boenickei		2			
Mycobacterium bohemicum	1				ht+
Mycobacterium bolletii		2			
Mycobacterium botniense	1				
Mycobacterium bovis			3		V, Z
Mycobacterium branderi		2			
Mycobacterium brisbanense		2			
Mycobacterium brumae	1				
Mycobacterium canariasense		2			
Mycobacterium caprae (Mycobacterium tuberculosis subsp. caprae)			3		Z
Mycobacterium celatum		2			ht
Mycobacterium chelonae					
(Mycobacterium chelonae subsp. chelonae)		2			ht
Mycobacterium chelonae subsp. abscessus → Mycobacterium abscessus					
Mycobacterium chelonae subsp. chelonae → Mycobacterium chelonae					
Mycobacterium chimaera		2			
Mycobacterium chitae	1				
Mycobacterium chlorophenolicum (Rhodococcus chlorophenolicus)	1				
Mycobacterium chubuense	1				
Mycobacterium colombiense		2			
Mycobacterium conceptionense	1				+
Mycobacterium confluentis	1				
Mycobacterium conspicuum		2			
Mycobacterium cookii	1				
Mycobacterium cosmeticum	1				+
Mycobacterium diernhoferi	1				
Mycobacterium doricum	1				+
Mycobacterium duvalii	1				+
Mycobacterium elephantis		2			ht
Mycobacterium fallax	1				
Mycobacterium farcinogenes		2			t
Mycobacterium flavescens		2			ht
Mycobacterium florentinum		2			
Mycobacterium fluoranthenivorans	1				
Mycobacterium fortuitum subsp. acetamidolyticum		2			
Mycobacterium fortuitum subsp. fortuitum		2			ht
Mycobacterium frederiksbergense	1				
Mycobacterium gadium	1				+
Mycobacterium gastri		2			
Mycobacterium genavense		2			ht
Mycobacterium gilvum	1	_			
Mycobacterium goodii	-	2			ht
Mycobacterium gordonae	1	_			ht+
Mycobacterium haemophilum	1	2			ht
Mycobacterium hassiacum	1	-			110
Mycobacterium heckeshornense	1	2			
Mycobacterium heidelbergense		2			
,		_			

Genera		Risk group			
Species	1	2	3	4	Notes
Mycobacterium hiberniae	1				
Mycobacterium hodleri	1				
Mycobacterium holsaticum	1				+
Mycobacterium houstonense		2			
Mycobacterium immunogenum		2			
Mycobacterium interjectum		2			
Mycobacterium intermedium		2			
Mycobacterium intracellulare		2			ht
Mycobacterium kansasii		2			ht
Mycobacterium komossense	1				
Mycobacterium kubicae		2			
Mycobacterium kumamotonense	1				+
Mycobacterium lacus	1				+
Mycobacterium lentiflavum		2			
Mycobacterium leprae		_	3		ht
Mycobacterium lepraemurium		2	J		t
Mycobacterium madagascariense	1	4			ι
Mycobacterium mageritense	1	2			
Mycobacterium malmoense		2			ht
Mycobacterium marinum		2			Z
		2			ht
Mycobacterium massiliense		2	2 (**)		Z
Mycobacterium microti		2	3(**)		L
Mycobacterium monacense	1	2			.2
Mycobacterium montefiorense	1				t2
Mycobacterium moriokaense	1	2			+
Mycobacterium mucogenicum	1	2			
Mycobacterium murale	1				i
Mycobacterium nebraskense	1				+
Mycobacterium neoaurum	1	•			+
Mycobacterium neworleansense		2			•
Mycobacterium nonchromogenicum		2			ht
Mycobacterium novocastrense		2			
Mycobacterium obuense	1				+
Mycobacterium palustre		2			ht
Mycobacterium parafortuitum	1				
Mycobacterium parascrofulaceum		2			
Mycobacterium paratuberculosis					
→ Mycobacterium avium subsp. paratuberculosis					
Mycobacterium parmense	1				+
Mycobacterium peregrinum		2			ht
Mycobacterium phlei	1				
Mycobacterium phocaicum		2			
Mycobacterium pinnipedii			3		Z
Mycobacterium porcinum		2			ht
Mycobacterium poriferae	1				
Mycobacterium pseudoshottsii	1				t2
Mycobacterium psychrotolerans	1				
Mycobacterium pulveris	1				
Mycobacterium pyrenivorans	1				
Mycobacterium rhodesiae	1				+
Mycobacterium salmoniphilum	1				t2
Mycobacterium saskatchewanense		2			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Mycobacterium scrofulaceum		2			ht
Mycobacterium senegalense		2			t
Mycobacterium senuense	1				+
Mycobacterium seoulense	1				+
Mycobacterium septicum		2			
Mycobacterium setense		2			
Mycobacterium shimoidei		2			
Mycobacterium shottsii	1				t2
Mycobacterium simiae		2			ht
Mycobacterium smegmatis		2			ht
Mycobacterium sphagni	1				
Mycobacterium szulgai		2			ht
Mycobacterium terrae	1				ht+
Mycobacterium thermoresistibile	1				ht+
Mycobacterium tokaiense	1				
Mycobacterium triplex		2			
Mycobacterium triviale	1				+
Mycobacterium tuberculosis					
(Mycobacterium tuberculosis subsp. tuberculosis)			3		V, Z
Mycobacterium tuberculosis subsp. caprae → Mycobacterium caprae					
Mycobacterium tuberculosis subsp. tuberculosis					
→ Mycobacterium tuberculosis					
Mycobacterium tusciae	1				
Mycobacterium ulcerans			3(**)		
Mycobacterium vaccae		2	()		ht
Mycobacterium vanbaalenii	1				
Mycobacterium wolinskyi		2			
Mycobacterium xenopi		2			ht
MYCOPLANA					
Mycoplana bullata	1				
Mycoplana dimorpha	1				
Mycoplana ramosa	1				
• •	1				
Mycoplana segnis → Caulobacter segnis					
MYCOPLASMA					
Mycoplasma adleri		2			t
Mycoplasma agalactiae		2			t3
Mycoplasma agassizii		2			t
Mycoplasma alkalescens		2			t
Mycoplasma alligatoris		2			t
Mycoplasma alvi	1				
Mycoplasma amphoriforme	1				+
Mycoplasma anatis		2			t
Mycoplasma anseris	1				
Mycoplasma arginini		2			t
Mycoplasma arthritidis		2			t
Mycoplasma auris	1				
Mycoplasma bovigenitalium		2			t
Mycoplasma bovirhinis		2			t
Mycoplasma bovis		2			t

Genera		Risk gr	oup		Notes
Species	1	2	3	4	Notes
Mycoplasma buccale	1				+
Mycoplasma buteonis		2			t
Mycoplasma californicum		2			t
Mycoplasma canadense		2			t
Mycoplasma canis		2			t
Mycoplasma capricolum subsp. capricolum		2			t
Mycoplasma capricolum subsp. capripneumoniae		2			t
Mycoplasma caviae		2			
Mycoplasma cavipharyngis	1				
Mycoplasma citelli	1				
Mycoplasma cloacale	1				
Mycoplasma collis		2			t
Mycoplasma columbinasale		2			t
Mycoplasma columbinum	1				
Mycoplasma columborale	1				
Mycoplasma conjunctivae	_	2			t
Mycoplasma corogypsi		2			t
Mycoplasma cottewii	1	_			·
Mycoplasma cricetuli	1				
Mycoplasma crocodyli	1	2			t
Mycoplasma cynos		2			t
Mycoplasma dispar		2			t
Mycoplasma edwardii		2			t
Mycoplasma elephantis		2			t
		2			ι
Mycoplasma ellychniae → Entomoplasma ellychniae		2			_
Mycoplasma equigenitalium		2 2			t
Mycoplasma equirhinis		2			t
Mycoplasma falconis Mycoplasma fastidiosum	1	2			t
• •	1				
Mycoplasma faucium	1				
Mycoplasma felifaucium	1				
Mycoplasma feliminutum	1	2			7
Mycoplasma felis		2			Z
Mycoplasma fermentans		2			
Mycoplasma flocculare		2			t
Mycoplasma gallinaceum		2			t
Mycoplasma gallinarum		2			t
Mycoplasma gallisepticum		2			t
Mycoplasma gallopavonis		2			t
Mycoplasma gateae		2			t
Mycoplasma genitalium		2			
Mycoplasma glycophilum		2			t
Mycoplasma gypis		2			t
Mycoplasma haemofelis (Haemobartonella felis)		2			t
Mycoplasma haemomuris (Haemobartonella muris)		2			t
Mycoplasma hominis		2			ht
Mycoplasma hyopharyngis	1	_			
Mycoplasma hyopneumoniae		2			t
Mycoplasma hyorhinis		2			t
Mycoplasma hyosynoviae		2			t
Mycoplasma iguanae		2			t
Mycoplasma imitans		2			t

Genera		Risk group	_	Notes
Species	1	2 3	4	rotes
Mycoplasma indiense	1			
Mycoplasma iners		2		t
Mycoplasma iowae		2		t
Mycoplasma lactucae → Mesoplasma lactucae				
Mycoplasma lagogenitalium	1			
Mycoplasma leonicaptivi	1			
Mycoplasma leopharyngis	1			
Mycoplasma lipofaciens		2		t
Mycoplasma lipophilum	1			+
Mycoplasma lucivorax → Entomoplasma lucivorax				
Mycoplasma luminosum → Entomoplasma luminosum				
Mycoplasma maculosum		2		t
Mycoplasma melaleucae → Entomoplasma melaleucae				
Mycoplasma melagridis		2		t
Mycoplasma microti		2		t
Mycoplasma mirum	1	2		·
Mycoplasma moatsii	1			
Mycoplasma mobile	1	2		t
Mycoplasma molare	1	2		·
Mycoplasma muris	1			
Mycoplasma mustelae	1			
Mycoplasma mycoides subsp. capri	•	2		t3
Mycoplasma mycoides subsp. mycoides		2		t3
Mycoplasma neurolyticum		2		t
Mycoplasma opalescens	1	_		·
Mycoplasma orale	1			+
Mycoplasma ovipneumoniae		2		t
Mycoplasma ovis (Eperythrozoon ovis)		2		t
Mycoplasma oxoniensis	1			
Mycoplasma penetrans		2		
Mycoplasma phocacerebrale		2		t
Mycoplasma phocarhinis		2		t
Mycoplasma phocidae		2		t
Mycoplasma pirum	1			
Mycoplasma pneumoniae		2		
Mycoplasma primatum	1			+
Mycoplasma pullorum		2		t
Mycoplasma pulmonis		2		t
Mycoplasma putrefaciens		2		t
Mycoplasma salivarium		2		
Mycoplasma simbae	1			
Mycoplasma somnilux → Entomoplasma somnilux				
Mycoplasma spermatophilum	1			+
Mycoplasma spumans		2		t
Mycoplasma sturni		2		t
Mycoplasma sualvi	1			
Mycoplasma subdolum		2		t
Mycoplasma suipneumoniae		2		t
Mycoplasma suis (Eperythrozoon suis)		2		t
Mycoplasma synoviae		2		t
Mycoplasma testudineum		2		t
Mycoplasma testudinis	1			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Mycoplasma verecundum		2			t
Mycoplasma wenyonii (Eperythrozoon wenyonii)		2			t
Mycoplasma yeatsii	1				
MYROIDES					
Myroides odoratimimus		2			
Myroides odoratus (Flavobacterium odoratum)		2			
Myroides pelagicus	1				
MYXOCOCCUS					
Myxococcus coralloides → Corallococcus coralloides					
Myxococcus disciformis → Cystobacter disciformis	1				
Myxococcus flavescens	1				
Myxococcus fulvus	1				
Myxococcus macrosporus	1				
Myxococcus stipitatus	1				
Myxococcus virescens	1				
Myxococcus xanthus	1				
NAKAMURELLA					
Nakamurella multipartita (Microsphaera multipartita)	1				
NANNOCYSTIS					
Nannocystis exedens → Nannocystis exedens subsp. exedens					
Nannocystis exedens subsp. aggregans	1				
Nannocystis exedens subsp. cinnabarina	1				
Nannocystis exedens subsp. exedens (Nannocystis exedens)	1				
Nannocystis exedens subsp. glomerata	1				
Nannocystis exedens subsp. pulla	1				
Nannocystis pusilla	1				
NATRANAEROBIUS					
Natranaerobius thermophilus	1				
NATRIALBA					
Natrialba aegyptiaca	1				
Natrialba asiatica	1				
Natrialba chahannaoensis	1				
Natrialba hulunheirensis	1				
Natrialba magadii (Natronobacterium magadii) Natrialba taiwanensis	1 1				
NIATDINIEMA					
NATRINEMA	1				
Natrinema altunense	1				
Natrinema ejinorense	1				
Natrinema pallidum	1				
Natrinema pellirubrum	1				
Natrinema versiforme	1				
NATRONIELLA					
Natroniella acetigena	1				

Genera		Risk	group		
Species	1	2	3	4	Notes
Natronincola histidinovorans	1			•	
NATRONORACTERIUM					
NATRONOBACTERIUM	1				
Natronobacterium gregoryi	1				
Natronobacterium magadii → Natrialba magadii					
$Natronobacterium\ nitratireducens o Halobiforma\ nitratireducens$					
$Natronobacterium\ pharaonis o Natronomonas\ pharaonis$					
Natronobacterium vacuolatum → Halorubrum vacuolatum					
NATRONOCELLA					
Natronocella acetinitrilica	1				
NATRONOCOCCUS					
Natronococcus amylolyticus	1				
Natronococcus jeotgali	1				
Natronococcus occultus	1				
1 ton onotions occurred	1				
NATRONOLIMNOBIUS					
Natronolimnobius baerhuensis	1				
Natronolimnobius innermongolicus	1				
NATRONOMONAS					
Natronomonas pharaonis (Halobacterium pharaonis, Natronobacterium pharaonis)	1				
NATRONORUBRUM					
Natronorubrum aibiense	1				
Natronorubrum bangense	1				
Natronorubrum sulfidifaciens	1				
Natronorubrum tibetense	1				
NAUTILIA					
Nautilia lithotrophica	1				
Nautilia profundicola	1				
NAXIBACTER					
Naxibacter alkalitolerans	1				
Naxibacter haematophilus	1				+
Naxibacter varians	1				+
NEISSERIA					
Neisseria animalis	1				
Neisseria animaloris		2			Z
Neisseria bacilliformis		2			
Neisseria canis	1				+
Neisseria caviae = Moraxella (Subgenus Branhamella) caviae	1				
Neisseria cinerea	1				+
Neisseria cuniculi → Moraxella (Subgenus Branhamella) cuniculi					
Neisseria denitrificans → Bergeriella denitrificans					
Neisseria dentiae	1				
Neisseria elongata subsp. elongata	1				+
0 1 - 0 - 0					+
Neisseria elongata subsp. glycolytica	1				
Neisseria elongata subsp. glycolytica Neisseria elongata subsp. nitroreducens	1	2			Т

Genera		Risk	group		MInde
Species	1	2	3	4	Notes
Neisseria flavescens		2			
Neisseria gonorrhoeae		2			
Neisseria iguanae		2			t
Neisseria lactamica	1				+
Neisseria macacae	1				
Neisseria meningitidis		2			\mathbf{v}
Neisseria mucosa		2			
Neisseria ovis = Moraxella (Subgenus Branhamella) ovis		2			t
Neisseria perflava	1				+
Neisseria polysaccharea	1				
Neisseria sicca		2			TA
Neisseria subflava		2			
Neisseria weaveri		2			
Neisseria zoodegmatis		2			Z
Tveisseria zoodegiriatis		2			2
NEOASAIA					
Neoasaia chiangmaiensis	1				
NEOCHLAMYDIA					
Neochlamydia hartmannellae	1				
NEORICKETTSIA					
Neorickettsia helminthoeca		2			t
Neorickettsia risticii (Ehrlichia risticii)		2			t
Neorickettsia sennetsu (Rickettsia sennetsu, Ehrlichia sennetsu)		2			C
,					
NEPTUNIIBACTER					
Neptuniibacter caesariensis	1				
NEPTUNOMONAS					
Neptunomonas japonica	1				
Neptunomonas naphthovorans	1				
NEREIDA					
Nereida ignava	1				
NIEGIOTORACTER					
NESIOTOBACTER Nesiotobacter exalbescens	1				
Nesiotobacter exainescens	1				
NESTERENKONIA					
Nesterenkonia aethiopica	1				
Nesterenkonia halobia (Micrococcus halobius)	1				
Nesterenkonia halophila	1				
Nesterenkonia halotolerans	1				
Nesterenkonia jeotgali	1				
Nesterenkonia lacusekhoensis	1				
Nesterenkonia lutea	1				
Nesterenkonia sandarakina	1				
Nesterenkonia xinjiangensis	1				
, 0					
NEVSKIA					
NEVSKIA Nevskia ramosa Nevskia soli	1				

Genera		Risk	group		Note
Species	1	2	3	4	Note
NIABELLA					
Niabella aurantiaca	1				
Niabella soli	1				
NIASTELLA					
Niastella koreensis	1				
Niastella yeongjuensis	1				
NICOLETELLA					
Nicoletella semolina		2			t
NITRATIFRACTOR					
Nitratifractor salsuginis	1				
	-				
NITRATIREDUCTOR					
Nitratireductor aquibiodomus	1				
NITTO ATIDITOTO					
NITRATIRUPTOR Nitratiruptor tergarcus	1				
Nitratiruptor tergarcus	1				
NITRINCOLA					
Nitrincola lacisaponensis	1				
NITROBACTER					
Nitrobacter alkalicus	1				
Nitrobacter hamburgensis	1				
Nitrobacter vulgaris	1				
Nitrobacter winogradskyi	1				
NITROCOCCUS					
Nitrococcus mobilis	1				
NITROSOCOCCUS					
Nitrosococcus nitrosus	1				
Nitrosococcus oceani	1				
NITROSOLOBUS → NITROSOSPIRA					
Nitrosolobus multiformis → Nitrosospira multiformis					
_					
NITROSOMONAS					
Nitrosomonas aestuarii	1				
Nitrosomonas communis	1				
Nitrosomonas europaea	1				
Nitrosomonas eutropha	1				
Nitrosomonas halophila	1				
Nitrosomonas marina	1				
Nitrosomonas nitrosa	1				
Nitrosomonas oligotropha	1				
Nitrosomonas ureae	1				
NITROSOSPIRA					
Nitrosospira briensis	1				
Nitrosospira multiformis (Nitrosolobus multiformis)	1				

Genera		Risk g	group		Notes
Species	1	2	3	4	110168
Nitrosospira tenuis ("Nitrosovibrio tenuis")	1				
NITROSPINA					
Nitrospina gracilis	1				
NITROSPIRA					
Nitrospira marina	1				
Nitrospira moscoviensis	1				
NOCARDIA					
Nocardia abscessus		2			
Nocardia acidivorans	1				
Nocardia africana	_	2			ht
Nocardia alba	1				
Nocardia amarae → Gordonia amarae	-				
Nocardia anaemiae	1				+
Nocardia aobensis	1	2			ı
Nocardia araoensis	1	2			+
Nocardia arthritidis	1	2			Т
Nocardia asiatica		2			
Nocardia asteroides		2			ht
		2			111
Nocardia autotrophica → Pseudonocardia autotrophica		0			
Nocardia beijingensis		2			• .
Nocardia brasiliensis	4	2			ht
Nocardia brevicatena (Micropolyspora brevicatena)	1				+
Nocardia caishijiensis	1				
Nocardia calcarea → Rhodococcus erythropolis					
Nocardia carnea	1				+
Nocardia cellulans → Cellulosimicrobium cellulans					
Nocardia cerradoensis	1				
Nocardia coeliaca	1				
Nocardia concava		2			
Nocardia corynebacterioides → Rhodococcus corynebacterioides					
Nocardia crassostreae	1				n
Nocardia cummidelens	1				
Nocardia cyriacigeorgica		2			
Nocardia elegans	1				+
Nocardia exalbida		2			
Nocardia farcinica		2			ht
Nocardia flavorosea	1				
Nocardia fluminea	1				
Nocardia globerula → Rhodococcus globerulus					
Nocardia higoensis	1				+
Nocardia hydrocarbonoxydans → Pseudonocardia hydrocarbonoxydans	-				
Nocardia ignorata		2			
Nocardia inohanensis	1	4			+
Nocardia jejuensis	1				1
Nocardia jiangxiensis	1				
Nocardia hangxiensis Nocardia kruczakiae	1	2			
		∠			
Nocardia mediterranei → Amycolatopsis mediterranei		2			
Nocardia mexicana Nocardia miyunensis	1	2			

Genera		Risk g	roun		
Species	1	2	3	4	Notes
Nocardia neocaledoniensis	1				
Nocardia niigatensis	1	2			
Nocardia ninae	1	4			+
Nocardia nova	1	2			ht
		2			111
Nocardia orientalis → Amycolatopsis orientalis subsp. orientalis Nocardia otitidiscaviarum		2			1.4
		2 2			ht
Nocardia paucivorans		2			
Nocardia petroleophila → Pseudonocardia petroleophila	4				
Nocardia pigrifrangens	1				
Nocardia pinensis → Skermania piniformis					
Nocardia pneumoniae	1				+
Nocardia pseudobrasiliensis		2			
Nocardia pseudovaccinii	1				
Nocardia puris	1				+
Nocardia restricta → Rhodococcus equi					
Nocardia rugosa – synonym: Prauserella rugosa					
Nocardia salmonicida	1				t2
Nocardia saturnea → Pseudonocardia saturnea					
Nocardia seriolae	1				t2
Nocardia shimofusensis	1				
Nocardia sienata	1				+
Nocardia soli	1				
Nocardia speluncae	1				
Nocardia sulphurea – synonym: Amycolatopsis sulphurea					
Nocardia takedensis	1				+
Nocardia tenerifensis	1				
Nocardia terpenica		2			
Nocardia testacea	1				+
Nocardia thailandica	1				+
Nocardia transvalensis		2			
Nocardia uniformis	1				
Nocardia vaccinii	1				p
Nocardia vermiculata	1				+
Nocardia veterana		2			
Nocardia vinacea	1				+
Nocardia xishanensis	1				
Nocardia yamanashiensis		2			
,					
NOCARDIOIDES					
Nocardioides aestuarii	1				
Nocardioides albus	1				
Nocardioides alkalitolerans	1				
Nocardioides aquaticus	1				
Nocardioides aquiterrae	1				
Nocardioides aromaticivorans	1				
Nocardioides daphniae	1				
Nocardioides dubius	1				
Nocardioides exalbidus	1				
Nocardioides fastidiosus → Aeromicrobium fastidiosum					
Nocardioides furvisabuli	1				
Nocardioides ganghwensis	1				
Nocardioides hankookensis	1				
1 10 out of Other Harmon Child	1				

Genera		Risk group		Notes
Species	1	2 3	4	Notes
Nocardioides hwasunensis	1			
Nocardioides insulae	1			
Nocardioides jensenii (Pimelobacter jensenii)	1			
Nocardioides kongjuensis	1			
Nocardioides kribbensis	1			
Nocardioides lentus	1			
Nocardioides luteus	1			
Nocardioides marinisabuli	1			
Nocardioides marinus	1			
Nocardioides nitrophenolicus	1			
Nocardioides oleivorans	1			
Nocardioides panacihumi	1			
Nocardioides plantarum	1			
Nocardioides pyridinolyticus	1			
Nocardioides simplex (Arthrobacter simplex, Pimelobacter simplex)	1			
Nocardioides terrigena	1			
O				
NOCARDIOPSIS				
Nocardiopsis aegyptia	1			
Nocardiopsis africana → Nonomuraea africana				
Nocardiopsis alba subsp. alba	1			
Nocardiopsis alba subsp. prasina → Nocardiopsis prasina				
Nocardiopsis alborubida → Nocardiopsis dassonvillei subsp. albirubida				
Nocardiopsis alkaliphila	1			
Nocardiopsis antarctica – synonym:	1			
Nocardiopsis dassonvillei subsp. dassonvillei				
Nocardiopsis baichengensis	1			
Nocardiopsis chromatogenes	1			
Nocardiopsis coeruleofusca → Saccharothrix coeruleofusca				
Nocardiopsis composta	1			
Nocardiopsis dassonvillei subsp. albirubida (Nocardiopsis alborubida)		2		
Nocardiopsis dassonvillei subsp. dassonvillei		2		
Nocardiopsis dassonvillei subsp. prasina → Nocardiopsis prasina		_		
Nocardiopsis exhalans	1			
•	1			
Nocardiopsis flava → Lechevalieria flava	1			
Nocardiopsis ganjiahuensis	1			
Nocardiopsis gilva	1			
Nocardiopsis halophila	1			
Nocardiopsis halotolerans	1			
Nocardiopsis kunsanensis	1			
Nocardiopsis listeri	1			
Nocardiopsis longispora → Saccharothrix longispora				
Nocardiopsis lucentensis	1			
Nocardiopsis metallicus	1			
Nocardiopsis mutabilis → Saccharothrix mutabilis subsp. mutabilis				
Nocardiopsis prasina				
(Nocardiopsis dassonvillei subsp. prasina,	1			
Nocardiopsis alba subsp. prasina)	1			
Nocardiopsis quinghaiensis	1			
Nocardiopsis rhodophaea	1			
Nocardiopsis rosea	1			
Nocardiopsis salina	1			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Nocardiopsis synnemataformans	1				+
Nocardiopsis syringae → Saccharothrix syringae					
Nocardiopsis trehalosi	1				
Nocardiopsis tropica	1				
Nocardiopsis unidischolae	1				
Nocardiopsis unidiscrioiae Nocardiopsis valliformis	1				
Nocardiopsis vainionnis Nocardiopsis xinjiangensis	1				
Nocardiopsis xinjiangensis	1				
NONLABENS					
Nonlabens tegetincola	1				
NONOMURAEA					
Nonomuraea africana					
(Actinomadura africana, Nocardiopsis africana,					
Microtetraspora africana)	1				
Nonomuraea angiospora					
(Micropolyspora angiospora, Microtetraspora angiospora)	1				
Nonomuraea bangladeshensis	1				
Nonomuraea coxensis	1				
Nonomuraea dietziae	1				
Nonomuraea fastidiosa					
(Actinomadura fastidiosa, Microtetraspora fastidiosa)	1				
Nonomuraea ferruginea					
(Actinomadura ferruginea, Microtetraspora ferruginea)	1				
Nonomuraea flexuosa					
(Actinomadura flexuosa, Microtetraspora flexuosa)					
→ Thermopolyspora flexuosa					
Nonomuraea helvata (Actinomadura helvata, Microtetraspora helvata)	1				
Nonomuraea kuesteri	1				
Nonomuraea longicatena	1				
Nonomuraea maheshkhaliensis	1				
Nonomuraea polychroma	1				
(Actinomadura polychroma, Microtetraspora polychroma)	1				
Nonomuraea pusilla (Actinomadura pusilla, Microtetraspora pusilla)	1				
	1				
Nonomuraea recticatena (Actinomadura recticatena, Microtetraspora recticatena)	1				
	1				
Nonomuraea roseola (Actinomadura roseola, Microtetraspora roseola)	_				
Nonomuraea roseoviolacea subsp. carminata (Actinomadura carminata)	1				
Nonomuraea roseoviolacea subsp. roseoviolacea	1				
(Actinomadura roseoviolacea, Microtetraspora roseoviolacea)	1				
Nonomuraea rubra (Actinomadura rubra, Microtetraspora rubra)	1				
Nonomuraea salmonea	1				
(Actinomadura salmonea, Microtetraspora salmonea)	1				
Nonomuraea spiralis (Actinomadura spiralis, Microtetraspora spiralis)	1				
Nonomuraea turkmeniaca	4				
(Actinomadura turkmeniaca, Microtetraspora turkmeniaca)	1				
NOVISPIRILLUM					
Novispirillum itersonii subsp. itersonii					
(Aquaspirillum itersonii subsp. itersonii)	1				
Novispirillum itersonii subsp. nipponicum					
(Aquaspirillum itersonii subsp. nipponicum)	1				

NOVOSPHINGOBIUM

Genera		Risk group		
Species	1	2 3	4	Notes
Novosphingobium aromaticivorum (Sphingomonas aromaticivorans)			<u> </u>	
– synonym: Sphingomonas aromaticivorans				
Novosphingobium capsulatum (Flavobacterium capsulatum, Sphingomonas capsulata) – synonym:				
Sphingomonas capsulata				
Novosphingobium hassiacum	1			
Novosphingobium lentum	1			
Novosphingobium naphthalenivorans	1			
Novosphingobium nitrogenifigens	1			
Novosphingobium pentaromativorans	1			
Novosphingobium resinovorum (Flavobacterium resinovorum)	1			
Novosphingobium rosa (Sphingomonas rosa) – synonym: Sphingomonas rosa				
Novosphingobium stygium				
(Sphingomonas stygia) – synonym: Sphingomonas stygia				
Novosphingobium subarcticum (Sphingomonas subarctica) – synonym: Novosphingobium resinovorum				
Novosphingobium subterraneae (Sphingomonas subterranea) – synonym: Sphingomonas subterranea				
Novosphingobium taihuense	1			
Novosphingobium tardaugens	1			
NUBSELLA				
Nubsella zeaxanthinifaciens	1			
OBESUMBACTERIUM				
Obesumbacterium proteus	1			
OCEANIBULBUS				
Oceanibulbus indolifex	1			
OCEANICAULIS				
Oceanicaulis alexandrii	1			
OCEANICOLA				
Oceanicola batsensis	1			
Oceanicola granulosus	1			
Oceanicola marinus	1			
Oceanicola nanhaiensis	1			
OCEANIMONAS				
Oceanimonas baumannii	1			
Oceanimonas doudoroffii (Pseudomonas doudoroffii)	1			
Oceanimonas smirnovii	1			
OCEANISPHAERA				
Oceanisphaera donghaensis	1			
Oceanisphaera litoralis	1			
OCEANITHERMUS				
Oceanithermus desulfurans	1			
Oceanithermus profundus	1			
OCEANOBACILLUS				

Genera					
Species	1	2	group 3	4	Notes
Oceanobacillus caeni	1				
Oceanobacillus chironomi	1				
Oceanobacillus iheyensis	1				
Oceanobacillus oncorhynchi subsp. incaldanensis	1				
Oceanobacillus oncorhynchi subsp. oncorhynchi	1				
Oceanobacillus picturae (Virgibacillus picturae)	1				
Oceanobacillus profundus	1				
OCEANOBACTER					
Oceanobacter kriegii (Oceanospirillum kriegii)	1				
OCEANOSPIRILLUM					
Oceanospirillum beijerinckii					
(Oceanospirillum beijerinckii subsp. beijerinckii, Oceanospirillum					
beijerinckii subsp. pelagicum, Oceanospirillum pelagicum)	1				
Oceanospirillum beijerinckii subsp. beijerinckii → Oceanospirillum beijerinckii					
Oceanospirillum beijerinckii subsp. pelagicum					
(Oceanospirillum pelagicum) → Oceanospirillum beijerinckii					
Oceanospirillum commune					
= Marinomonas communis (Alteromonas communis)	1				
Oceanospirillum hiroshimense → Oceanospirillum maris					
Oceanospirillum jannaschii → Marinobacterium jannaschii					
Oceanospirillum japonicum → Pseudospirillum japonicum					
Oceanospirillum kriegii → Oceanobacter kriegii					
Oceanospirillum linum	1				
Oceanospirillum maris					
(Oceanospirillum maris subsp. hiroshimense, Oceanospirillum					
hiroshimense, Oceanospirillum maris subsp. maris, Oceanospirillum	1				
maris subsp. williamsae)	1				
Oceanospirillum maris subsp. hiroshimense (Oceanospirillum hiroshimense) → Oceanospirillum maris					
Oceanospirillum maris subsp. maris → Oceanospirillum maris					
Oceanospirillum maris subsp. maris → Oceanospirillum maris					
Oceanospirillum minutulum Marinospirillum minutulum Oceanospirillum multiclohuliforum	1				
Oceanospirillum nalaginum . Oceanospirillum hajigringhii	1				
Oceanospirillum pelagicum → Oceanospirillum beijerinckii					
Oceanospirillum pusillum → Terasakiella pusilla Oceanospirillum vagum = Marinomonas vaga (Alteromonas vaga)	1				
Oceanospinium vagum – Marinomonas vaga (Anteromonas vaga)	1				
OCHROBACTRUM					
Ochrobactrum anthropi		2			TA, ht
Ochrobactrum cytisi	1				
Ochrobactrum gallinifaecis	1				
Ochrobactrum grignonense	1				
Ochrobactrum haematophilum	1	2			+
Ochrobactrum intermedium	4	2			
Ochrobactrum lupini	1				
Ochrobactrum oryzae Ochrobactrum pseudintermedium	1 1				+
Ochrobactrum pseudogrignonense	1				+
Ochrobactrum rhizosphaerae	1				'
Controbaction inicosphactae	1				

Genera		Diole o	*****		
Species	1	Risk g	group 3	4	Notes
Ochrobactrum thiophenivorans	1		3	4	
Ochrobactrum tritici	1				
Ochiobactum thici	1				
OCTADECABACTER					
Octadecabacter antarcticus	1				
Octadecabacter arcticus	1				
ODORIBACTER		_			
Odoribacter denticanis		2			t
Odoribacter splanchnicus (Bacteroides splanchnicus)		2			
OENOCOCCUS					
Oenococcus kitaharae	1				
Oenococcus oeni (Leuconostoc oenos)	1				
(
OERSKOVIA					
Oerskovia enterophila (Promicromonospora enterophila)	1				
Oerskovia jenensis	1				
Oerskovia paurometabola	1				
Oerskovia turbata	1				+
Oerskovia xanthineolytica – synonym: Cellulomonas cellulans					
→ Cellulosimicrobium cellulans					
OKIBACTERIUM					
Okibacterium fritillariae	1				
	•				
OLEIPHILUS					
Oleiphilus messinensis	1				
OT EVODID.					
OLEISPIRA	1				
Oleispira antarctica	1				
OLIGELLA					
Oligella ureolytica	1				+
Oligella urethralis (Moraxella urethralis)	1				ht+
OLIGOTROPHA					
Oligotropha carboxidovorans	1				
OLIVIBACTER					
Olivibacter ginsengisoli	1				
Olivibacter gitisengison Olivibacter sitiensis	1				
Olivibacter soli	1				
Olivibacter terrae	1				
~ · · · · · · · · · · · · · · · · · · ·					
OLLEYA					
Olleya marilimosa	1				
OLODNOLLA					
OLSENELLA Olsenelle professe		2			
Olsenella profusa		2 2			
Olsenella uli (Lactobacillus uli)		2			
OPITUTUS					
Opitutus terrae	1				
1	-				

Genera	Risk group				
Species	1	2	3	4	Notes
ORENIA					
Orenia marismortui (Sporohalobacter marismortui)	1				
Orenia salinaria	1				
Orenia sivashensis	1				
ORIBACTERIUM					
Oribacterium sinus	1				+
ORIBACULUM → PORPHYROMONAS					
Oribaculum catoniae → Porphyromonas catoniae					
ORIENTIA					
Orientia tsutsugamushi (Rickettsia tsutsugamushi)			3		Z
ORNITHINIBACILLUS	4				
Ornithinibacillus bavariensis	1				
Ornithinibacillus californiensis	1				
ORNITHINICOCCUS					
Ornithinicoccus hortensis	1				
ORNITHINIMICROBIUM					
Ornithinimicrobium humiphilum	1				
Ornithinimicrobium kibberense	1				
Ornithinimicrobium pekingense	1				
ORNITHOBACTERIUM					
Ornithobacterium rhinotracheale		2			t
ORYZIHUMUS					
Oryzihumus leptocrescens	1				
OSCILLIBACTER					
Oscillibacter valericigenes	1				
OSCILLOCHLORIS	1				
Oscillochloris chrysea Oscillochloris trichoides	1 1				
Oscilloctilons inchoides	1				
OSCILLOSPIRA					
Oscillospira guilliermondi	1				
OTTOWIA					
Ottowia thiooxydans	1				
OWENWEEKSIA	4				
Owenweeksia hongkongensis	1				
OXALICIBACTERIUM					
Oxalicibacterium flavum	1				
OXALOBACTER					
	1				
Oxalobacter formigenes	1				

Genera		Risk g	group		NI 4
Species	1	2	3	4	Notes
Oxalobacter vibrioformis	1				
OVALODIJACIJE					
OXALOPHAGUS	4				
Oxalophagus oxalicus (Clostridium oxalicum)	1				
OXOBACTER					
Oxobacter pfennigii (Clostridium pfennigii)	1				
PAENIBACILLUS					
Paenibacillus agarexedens	1				
Paenibacillus agaridevorans	1				
Paenibacillus alginolyticus (Bacillus alginolyticus)	1				
Paenibacillus alkaliterrae	1				
Paenibacillus alvei (Bacillus alvei)	1				+, n
Paenibacillus amylolyticus (Bacillus amylolyticus)	1				,
Paenibacillus anaericanus	1				
Paenibacillus antarcticus	1				
Paenibacillus apiarius	1				
Paenibacillus assamensis	1				
Paenibacillus azoreducens	1				
	1				
Paenibacillus azotofixans – synonym: Paenibacillus durus	4				
Paenibacillus barcinonensis	1				
Paenibacillus barengoltzii	1				
Paenibacillus borealis	1				
Paenibacillus brasilensis	1				
Paenibacillus campinasensis	1				
Paenibacillus cellulosilyticus	1				
Paenibacillus chibensis	1				
Paenibacillus chinjuensis	1				
Paenibacillus chironomi	1				
Paenibacillus chitinolyticus (Bacillus chitinolyticus)	1				
Paenibacillus chondroitinus (Bacillus chondroitinus)	1				
Paenibacillus cineris	1				
Paenibacillus cookii	1				
Paenibacillus curdlanolyticus (Bacillus curdlanolyticus)	1				
Paenibacillus daejeonensis	1				
Paenibacillus dendritiformis	1				
Paenibacillus durus	1				
Paenibacillus ehimensis (Bacillus ehimensis)	1				
Paenibacillus elgii	1				
Paenibacillus favisporus	1				
Paenibacillus fonticola	1				
Paenibacillus forsythiae	1				
Paenibacillus gansuensis	1				
Paenibacillus ginsengarvi	1				
Paenibacillus ginsengihumi	1				
Paenibacillus ginsengisoli	1				
Paenibacillus glucanolyticus (Bacillus glucanolyticus)	1				
Paenibacillus glycanilyticus	1				
Paenibacillus gordonae – synonym: Paenibacillus validus					
Paenibacillus graminis	1				
Paenibacillus granivorans	1				
Paenibacillus hodogayensis	1				

Genera		Risk	proup		
Species	1	2	3	4	Notes
Paenibacillus humicus	1				
Paenibacillus illinoisensis	1				
Paenibacillus jamilae	1				
Paenibacillus kobensis (Bacillus kobensis)	1				
Paenibacillus koleovorans	1				
Paenibacillus koreensis	1				
Paenibacillus kribbensis					
	1				
Paenibacillus lactis Paenibacillus larvae	1				
(Bacillus larvae, Paenibacillus larvae subsp. larvae, Bacillus pulvifaciens, Paenibacillus pulvifaciens, Paenibacillus pulvifaciens sub. pulvifaciens)	1				n2
Paenibacillus larvae subsp. larvae (Bacillus larvae) → Paenibacillus larvae					
Paenibacillus larvae subsp. pulvifaciens (Bacillus pulvifaciens, Paenibacillus pulvifaciens)					
→ Paenibacillus larvae					
Paenibacillus lautus (Bacillus lautus)	1				
Paenibacillus lentimorbus (Bacillus lentimorbus)	1				n
Paenibacillus macerans (Bacillus macerans)	1				+
Paenibacillus macquariensis (Bacillus macquariensis)	1				
Paenibacillus massiliensis	1				+
Paenibacillus mendelii	1				
Paenibacillus motobuensis	1				
Paenibacillus naphthalenovorans	1				
Paenibacillus nematophilus	1				n
Paenibacillus odorifer	1				
Paenibacillus pabuli (Bacillus pabuli)	1				
Paenibacillus panacisoli	1				
Paenibacillus pasadenensis	1				
Paenibacillus peoriae (Bacillus peoriae)	1				
Paenibacillus phyllosphaerae	1				
Paenibacillus polymyxa (Bacillus polymyxa)	1				
Paenibacillus popilliae (Bacillus popilliae)	1				n
Paenibacillus provencensis	1				+
Paenibacillus pulvifaciens → Paenibacillus larvae					
Paenibacillus rhizosphaerae	1				
Paenibacillus sabinae	1				
Paenibacillus sanguinis	1				+
Paenibacillus sepulcri	1				
Paenibacillus soli	1				
Paenibacillus stellifer	1				
Paenibacillus taiwanensis	1				
Paenibacillus terrae	1				
Paenibacillus terrigena	1				
Paenibacillus thiaminolyticus (Bacillus thiaminolyticus)	1				+
Paenibacillus timonensis	1				+
Paenibacillus turicensis	1				•
Paenibacillus urinalis	1				+
Paenibacillus validus (Bacillus validus)	1				'
Paenibacillus woosongensis	1				
Paenibacillus wynnii	1				
Paenibacillus xinjiangensis	1				
· -	1				
Paenibacillus xylanilyticus	1				

Genera		Risk	group		TAT
Species	1	2	3	4	Notes
Paenibacillus zanthoxyli	1				
PALAEOCOCCUS					
Palaeococcus ferrophilus	1				
Palaeococcus helgesonii	1				
PALLERONIA					
Palleronia marisminoris	1				
PALUDIBACTER					
Paludibacter propionicigenes	1				
PALUDIBACTERIUM					
Paludibacterium yongneupense	1				
PANDORAEA					
Pandoraea apista		2			
Pandoraea norimbergensis (Burkholderia norimbergensis)	1				+
Pandoraea pnomenusa		2			
Pandoraea pulmonicola		2			
Pandoraea sputorum		2			
PANNONIBACTER					
Pannonibacter phragmitetus		2			
PANTOEA					
Pantoea agglomerans (Enterobacter agglomerans)		2			
Pantoea ananatis (Erwinia ananas)	1				p
Pantoea citrea	1				
Pantoea dispersa	1				+
Pantoea punctata	1				
Pantoea stewartii subsp. indologenes	1				p
Pantoea stewartii subsp. stewartii (Erwinia stewartii)	1				p2
Pantoea terrea	1				
PAPILLIBACTER					
Papillibacter cinnamivorans	1				
PARABACTEROIDES					
Parabacteroides distasonis (Bacteroides distasonis)		2			
Parabacteroides goldsteinii (Bacteroides goldsteinii)		2			
Parabacteroides merdae (Bacteroides merdae)	1				+
PARACHLAMYDIA					
Parachlamydia acanthamoebae	1				+
PARACOCCUS					
Paracoccus alcaliphilus	1				
Paracoccus alkenifer	1				
Paracoccus aminophilus	1				
Paracoccus aminovorans	1				
Paracoccus bengalensis	1				
Paracoccus carotinifaciens	1				

Genera		Risk group	n	
Species	1	2 3	=	Notes
Paracoccus denitrificans	1	2 3		
Paracoccus haeundaensis	1			
Paracoccus halodenitrificans → Halomonas halodenitrificans	1			
	1			
Paracoccus halophilus Paracoccus homiensis	1			
Paracoccus horniensis Paracoccus kocurii	1			
Paracoccus kondratievae	1			
Paracoccus korienais	1			
Paracoccus marcusii	1			
Paracoccus marinus	1			
Paracoccus methylutens	1			
Paracoccus metriyittens Paracoccus pantotrophus (Thiosphaera pantotropha)	1			
Paracoccus seriniphilus	1			
Paracoccus solventivorans	1			
Paracoccus sulfuroxidans	1			
Paracoccus thiocyanatus	1			
Paracoccus versutus (Thiobacillus versutus, Thiobacillus rapidicrescens)	1			
Paracoccus yeeii	1	2		
Paracoccus yeen Paracoccus zeaxanthinifaciens	1	2		
Paracoccus zeaxanummaciens	1			
PARACRAUROCOCCUS				
Paracraurococcus ruber	1			
Taracraticoccus ruber	1			
PARAFERRIMONAS				
Paraferrimonas sedimenticola	1			
PARALACTOBACILLUS				
Paralactobacillus selangorensis	1			
PARALIOBACILLUS				
Paraliobacillus ryukyuensis	1			
PARAPEDOBACTER				
	1			
Parapedobacter koreensis	1			
Parapedobacter soli	1			
PARASCARDOVIA				
Parascardovia denticolens (Bifidobacterium denticolens)	1			+
Tarascardovia defideolens (Bildobacterium defideolens)	1			·
PARASPOROBACTERIUM				
Parasporobacterium paucivorans	1			
1				
PARVIBACULUM				
Parvibaculum lavamentivorans	1			
PARVIMONAS				
Parvimonas micra (Micromonas micros, Peptostreptococcus micros)		2		ht
DADVILLI ADCLIL A				
PARVULARCULA	4			
Parvularcula bermudensis	1			
PASTEURELLA				
Pasteurella aerogenes		2		Z
i asteurena aerogentes		4		L

Species 1	Genera		Risk group		
Pasteurella aviatis → Aubisterium avium		1	· -	4	Notes
Pasteurella avium → Avibacterium avium 2 Pasteurella caballi 2 Z Pasteurella canis 2 Z Pasteurella dagmatis 2 Z Pasteurella gallicida Pasteurella gallicida Pasteurella gallicida Pasteurella granulomatis → Manheimia granulomatis Pasteurella panalomatis → Manheimia paraulomatis Pasteurella panalomatis → Manheimia paraulomatis Pasteurella hacemolytica → Manheimia hacemolytica 1 Pasteurella hacemolytica → Manheimia hacemolytica 2 t Pasteurella maini 2 t t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella peicunditorida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteure				•	
Pasteurella bettyae					
Pasteurella cabili			2		
Pasteurella canis 2 Z Pasteurella digilicida → Pasteurella multocida subsp. gallicida 2 Z Pasteurella gallinarum → Avibacterium gallinarum 2 t Pasteurella mendytica → Mannheimia haemolytica 2 t t Pasteurella himphangitidis 2 t t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Z Pasteurella multocida subsp. patlicida (Pasteurella gallicida) 2 Z Z Pasteurella multocida subsp. septica 2 Z Z Pasteurella precurella precurditoria multocida subsp. septica 2 Z Z Pasteurella precurella precurditoria precurella gallicida 2 Z <t< td=""><td>·</td><td></td><td></td><td></td><td>7.</td></t<>	·				7.
Pasteurella dagmatis 2 Z Pasteurella gallicida → Pasteurella multocida subsp. gallicida Pasteurella gallinarum → Avbbacterium gallinarum Pasteurella parnulomatis → Mannheimia granulomatis Pasteurella haemolytica → Mannheimia parnulomatis Pasteurella haemolytica → Mannheimia haemolytica 1 Pasteurella hamologida → Mannheimia haemolytica 2 t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 t Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. septica 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella preumotropica 2 Z Pasteurella preumotropica 2 Z Pasteurial preumotropica 2 Z Pasteurial preumotropica 2 Z Pasteurial preumotropica 2 Z Pasteurial preumotropica 1 n Pasteuri					
Pasteurella gallicida → Pasteurella multocida subsp. gallicida Pasteurella granulomatis → Avibacterium gallinarum Pasteurella pamolomatis → Mannheimia pranulomatis Pasteurella haemolytica → Mannheimia haemolytica Pasteurella haemolytica → Mannheimia haemolytica Pasteurella langaaensis 1 Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. pallicida (Pasteurella gallicida) Pasteurella multocida subsp. pallicida (Pasteurella gallicida) Pasteurella multocida subsp. posticida Pasteurella multocida subsp. septica Pasteurella multocida subsp. septica Pasteurella pomemorropica 2 Z Z Pasteurella spenioriopica Pasteurella septicida → Photobacterium damselae subsp. piscicida Pasteurella stornatis 2 Z Z Pasteurella trehalosi → Bibersteinia trehalosi Pasteurella ureac → Actinobacillus ureac Pasteurella ureac → Actinobacillus ureac Pasteurial avolantium → Avibacterium volantium PASTEURIA Pasteuria penetrans 1 n Pasteuria penetrans 1 n Pasteuria penetrans 1 n Pasteuria penetrans 1 n Pasteuria manosa – synonym: Pirellula staleyi Pasteuria monosa – synonym: Pirellula staleyi Pasteuria mintonensis 1 PAUCIBACTER Patulibacter minatonensis 1 PAUCIBACTER Patulibacter toxinivorans 1 p PAUCIBACTER Paucibacter toxinivorans 1 p PAUCISALIBACILLUS Paucisalibacillus globulus 1 p PECTINATUS Pectinatus gerevisiphilus 1 p Pectinatus finisingensis 1 p Pectinatus portalensis					
Pasteurella gallinarum → Avibacterium gallinarum Pasteurella granulomatis → Mannheimia granulomatis Pasteurella haemolytica → Mannheimia haemolytica 1 Pasteurella langaacnsis 1 Pasteurella mapaitidis 2 t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. besptica 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella skyensis 2 Z Pasteurella stomatis 2 Z Pasteurella tomatis 2 Z Pasteurella tomatis 2 Z Pasteurella trenalosi → Bibersteinia trehalosi 2 Z Pasteuriala torae → Actinobacillus ureae Pasteuria nishizawa 1 n Pasteuria nishizawae 1 n n Pasteuria penetran 1 n n Pasteuria penetran 1 n n Pasteuria penetran 1 n n					
Pasteurella granulomatis → Mannheimia granulomatis Pasteurella haemolytica → Mannheimia haemolytica Pasteurella langaenesis 1 Pasteurella langaenesis 2 t Pasteurella mairi 2 t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. septica 2 Z Pasteurial multocida subsp. septica 2 Z Pasteurial multocida subsp. septica 2 Z Pasteural parteurial					
Pasteurella haemolytica → Mannheimia haemolytica 1 Pasteurella langaaensis 1 Pasteurella priphanagitidis 2 t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella preumotropica 2 Z Pasteurella syensis 2 Z Pasteurella stomatis 2 Z Pasteurella terbalosi → Bibersteinia trehalosi 2 Z Pasteurella ureae → Actinobacillus ureae 2 Z Pasteurella volantium → Avibacterium volantium 1 n PASTEURIA n n Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi n Pasteuria thomei 1 n PAUCIBACTER 1 n PAUCIBACTER 2 N Paucibacter toxinivorans 1 N					
Pasteurella langaaensis Pasteurella lymphangitidis Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. septica 2 Z Z Pasteurella multocida subsp. septica 2 Z Z Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida Pasteurella piscicida → Photobacterium damselae subsp. piscicida Pasteurella peumotropica Pasteurella stomatis 2 Z Z Z Pasteurella stomatis 2 Z Z Z Pasteurella stomatis 2 Z Z Z Pasteurella testudinis 2 Z Z Z Pasteurella testudinis 2 Z Z Z Pasteurella trehalosi → Bibersteinia trehalosi Pasteurella trehalosi → Bibersteinia trehalosi Pasteurella urea → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteurla penetrans 1	9				
Pasteurella lymphangitidis Pasteurella mairii Pasteurella mairii Pasteurella mairii Pasteurella multocida subsp. gallicida (Pasteurella gallicida) Pasteurella multocida subsp. multocida Pasteurella multocida subsp. multocida Pasteurella piscicida → Photobacterium damselae subsp. piscicida Pasteurella piscicida → Photobacterium damselae subsp. piscicida Pasteurella proeumotropica Pasteurella speumotropica Pasteurella strudinis Pasteurella strudinis Pasteurella testudinis Pasteurella testudinis Pasteurella testudinis Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria penetrans Pasteuria penetrans 1		1			
Pasteurella mairii 2 t Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. septica 2 Z Pasteurella priscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella preumotropica 2 Z Pasteurella skyensis 2 Z Pasteurella testudinis 2 Z Pasteurella testudinis 2 Z Pasteurella testudinis 2 Z Pasteurella ureae → Actinobacillus ureae 2 Z Pasteuria nishizawae 1 n Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria thornei 1 n Pasteuria thornei 1 n Pasteuria minatonensis 1 n PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS 1 PAUCIMONAS Paucisalibacillus globulus 1 <td><u> </u></td> <td>1</td> <td>2.</td> <td></td> <td>t</td>	<u> </u>	1	2.		t
Pasteurella multocida subsp. gallicida (Pasteurella gallicida) 2 Z Pasteurella multocida subsp. multocida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella stestudinis 2 Z Pasteurella testudinis 2 Z Pasteurella testudinis 2 Z Pasteurella testudinis 2 X Pasteurella urea → Actinobacillus ureae Pasteuria nishizawae n Pasteuria nishizawae 1 n <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Pasteurella multocida subsp. multocida 2 Z Pasteurella multocida subsp. septica 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella pneumotropica 2 Z Pasteurella stomatis 2 Z Pasteurella testudinis 2 Z Pasteurella testudinis 2 Z Pasteurella trehalosi → Bibersteinia trehalosi 2 Z Pasteurella ureae → Actinobacillus ureae 2 X Pasteurella volantium → Avibacterium volantium N N PASTEURIA n n Pasteuria nishizawae 1 n n Pasteuria ramosa – synonym: Pirellula staleyi n n n PATULIBACTER Paucibacter minatonensis 1 n n PAUCIBACTER Paucisalibacillus globulus 1 P P PAUCISALIBACILLUS 1 P P PAUCISALIBACILLUS 1 P <					
Pasteurella multocida subsp. septica 2 Z Pasteurella piscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella priscicida → Photobacterium damselae subsp. piscicida 2 Z Pasteurella skyensis 2 Z Pasteurella stypantis 2 Z Pasteurella trestudinis 2 Z Pasteurella treslaosi → Bibersteinia trehalosi 2 t Pasteurella ureae → Actinobacillus ureae Pasteurella ureae → Actinobacillus ureae Pasteurila ureae → Actinobacillus ureae Pasteuria penetrans 1 n Pasteuria penetrans 1 n Pasteuria penetrans 1 n Pasteuria tramosa – synonym: Pirellula staleyi n n Pasteuria tramosa – synonym: Pirellula staleyi n n PATULIBACTER Paucibacter toxinivorans 1 n PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucisalibacillus globulus 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus fr					
Pasteurella pneumotropica 2 Z Pasteurella skyensis 2 X Pasteurella testudinis 2 Z Pasteurella terchalosi → Bibersteinia trehalosi 2 t Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium **** PASTEURIA Pasteuria penetrans 1 n Pasteuria penetrans 1 n PASTEURIA Pasteuria penetrans 1 n Pasteuria tamosa – synonym: Pirellula staleyi Pasteuria thornei 1 n PATULIBACTER PaucibaCTER *** 1 PAUCIBACTER Paucibacter toxinivorans 1 *** PAUCIMONAS Paucisalibacillus globulus 1 *** PAUCISALIBACILLUS Paucisalibacillus globulus 1 *** PECTINATUS Pectinatus frisingensis 1 *** Pectinatus baikarae 1 *** </td <td>-</td> <td></td> <td>2</td> <td></td> <td>Z</td>	-		2		Z
Pasteurella skyensis 2 t Pasteurella stomatis 2 Z Pasteurella trebalosi → Bibersteinia trehalosi 2 t Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium Fasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi n n Pasteuria thornei 1 n PATULIBACTER 1 n PAUCIBACTER 1 n Paucibacter toxinivorans 1 Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1	Pasteurella piscicida → Photobacterium damselae subsp. piscicida				
Pasteurella skyensis 2 t Pasteurella stomatis 2 Z Pasteurella trebalosi → Bibersteinia trehalosi 2 t Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium Fasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi n n Pasteuria thornei 1 n PATULIBACTER 1 n PAUCIBACTER 1 n Paucibacter toxinivorans 1 Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1	Pasteurella pneumotropica		2		Z
Pasteurella testudinis 2 t Pasteurella trehalosi → Bibersteinia trehalosi Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi n n Pasteuria thornei 1 n PATULIBACTER Patuclibacter minatonensis 1 V PAUCIBACTER Paucibacter toxinivorans 1 V PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 V PAUCISALIBACILLUS Paucisalibacillus globulus 1 V PECTINATUS Pectinatus cerevisiiphilus 1 V Pectinatus frisingensis 1 V Pectinatus portalensis 1 V PECTOBACTERIUM Pectobacterium atrosepticum V V			2		t
Pasteurella trehalosi → Bibersteinia trehalosi Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 n. n. p. asteuria penetrans 1 n. n. p. asteuria ramosa – synonym: Pirellula staleyi Pasteuria thornei 1 n. n. p. asteuria thornei 1 n. n. p.	Pasteurella stomatis		2		Z
Pasteurella ureae → Actinobacillus ureae Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi Pasteuria thornei 1 n PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum PECTOBACTERIUM Pectobacterium atrosepticum	Pasteurella testudinis		2		t
Pasteurella volantium → Avibacterium volantium PASTEURIA Pasteuria nishizawae 1 Pasteuria penetrans 1 Pasteuria penetrans 1 Pasteuria thornei 1 PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum 1 PECTOBACTERIUM Pectobacterium atrosepticum	Pasteurella trehalosi → Bibersteinia trehalosi				
PASTEURIA Pasteuria nishizawae Pasteuria penetrans 1 Pasteuria penetrans 1 Pasteuria ramosa – synonym: Pirellula staleyi Pasteuria thornei 1 n PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	Pasteurella ureae → Actinobacillus ureae				
Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi	Pasteurella volantium → Avibacterium volantium				
Pasteuria nishizawae 1 n Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi	PASTEURIA				
Pasteuria penetrans 1 n Pasteuria ramosa – synonym: Pirellula staleyi Pasteuria thornei 1 n PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1 Pectrobacterium Pectrobacterium Pectrobacterium atrosepticum		1			n
Pasteuria ramosa – synonym: Pirellula staleyi Pasteuria thornei 1 n PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1 PectroBACTERIUM Pectobacterium atrosepticum					
PATULIBACTER Patulibacter minatonensis 1 PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus frisingensis 1 Pectinatus portalensis 1 Pectinatus portalensis 1 Pectobacterium atrosepticum	*				
Patulibacter minatonensis PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum		1			n
Patulibacter minatonensis PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	PATIII IRACTER				
PAUCIBACTER Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM PECTOBACTERIUM PECTOBACTERIUM		1			
Paucibacter toxinivorans 1 PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM PECTOBACTERIUM Pectobacterium atrosepticum	1 acumbacci illimatoriciisis	1			
PAUCIMONAS Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM PECTOBACTERIUM PECTOBACTERIUM	PAUCIBACTER				
Paucimonas lemoignei (Pseudomonas lemoignei) 1 PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	Paucibacter toxinivorans	1			
PAUCISALIBACILLUS Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 Pectinatus portalensis 1	PAUCIMONAS				
Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 Pectinatus portalensis 1	Paucimonas lemoignei (Pseudomonas lemoignei)	1			
Paucisalibacillus globulus 1 PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 Pectinatus portalensis 1	PAUCISALIBACILLUS				
PECTINATUS Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum		1			
Pectinatus cerevisiiphilus 1 Pectinatus frisingensis 1 Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	1 110000111100 800001110	-			
Pectinatus frisingensis Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	PECTINATUS				
Pectinatus haikarae 1 Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	Pectinatus cerevisiiphilus	1			
Pectinatus portalensis 1 PECTOBACTERIUM Pectobacterium atrosepticum	e e e e e e e e e e e e e e e e e e e	1			
PECTOBACTERIUM Pectobacterium atrosepticum					
Pectobacterium atrosepticum	Pectinatus portalensis	1			
	PECTOBACTERIUM				
(Pectobacterium carotovorum subsp. atrosepticum) 1 p					
	(Pectobacterium carotovorum subsp. atrosepticum)	1			p

Genera	Risk g	TOUR.	
Species	- C	-	Notes
Pectobacterium betavasculorum	1 2	3 4	
(Pectobacterium carotovorum subsp. betavasculorum)	1		n
Pectobacterium carticida (Erwinia cacticida)	1		p
Pectobacterium carnegieana – synonym: Erwinia carnegieana	1		р
Pectobacterium carotovorum subsp. atrosepticum			
→ Pectobacterium atrosepticum			
Pectobacterium arrosepticum Pectobacterium carotovorum subsp. betavasculorum			
→ Pectobacterium betavasculorum			
Pectobacterium carotovorum subsp. carotovorum			
(Erwinia carotovora subsp. carotovora)	1		p
Pectobacterium carotovorum subsp. odoriferum			1
(Erwinia carotovora subsp. odorifera)	1		p
Pectobacterium carotovorum subsp. wasabiae			
→ Pectobacterium wasabiae			
Pectobacterium chrysanthemi → Dickeya chrysanthemi			
Pectobacterium cypripedii = Erwinia cypripedii	1		р
Pectobacterium rhapontici – synonym: Erwinia rhapontici			-
Pectobacterium wasabiae			
(Pectobacterium carotovorum subsp. wasabiae)	1		p
PEDIOCOCCUS			
Pediococcus acidilactici	1		+
Pediococcus cellicola	1		
Pediococcus claussenii	1		
Pediococcus damnosus	1		
Pediococcus dextrinicus	1		
Pediococcus ethanolidurans	1		
Pediococcus halophilus → Tetragenococcus halophilus			
Pediococcus inopinatus	1		
Pediococcus parvulus	1		
Pediococcus pentosaceus	1		+
Pediococcus siamensis	1		
Pediococcus stilesii	1		
Pediococcus urinaeequi → Aerococcus urinaeequi			
DETIONACTED			
PEDOBACTER Pedobacter africanus	1		
	1		
Pedobacter agri Pedobacter aquatilis	1		
Pedobacter caeni	1		
Pedobacter cryoconitis	1		
Pedobacter duraquae	1		
Pedobacter ginsengisoli	1		
Pedobacter hartonius	1		
Pedobacter heparinus	1		
(Flavobacterium heparinum, Cytophaga heparina, Sphingobacterium heparinum)	1		
Pedobacter himalayensis	1		
Pedobacter insulae	1		
Pedobacter koreensis	1		
Pedobacter lentus	1		
Pedobacter metabolipauper	1		
Pedobacter panaciterrae	1		

Genera	Risk group					
Species	1	2	3	4	Notes	
Pedobacter piscium (Sphingobacterium piscium)	1					
Pedobacter roseus	1					
Pedobacter saltans	1					
Pedobacter sandarakinus	1					
Pedobacter steynii	1					
Pedobacter suwonensis	1					
Pedobacter terrae	1					
Pedobacter terricola	1					
Pedobacter westerhofensis	1					
PEDOMICROBIUM						
Pedomicrobium americanum	1					
Pedomicrobium australicum	1					
Pedomicrobium ferrugineum	1					
Pedomicrobium manganicum	1					
PELAGIBACA						
Pelagibaca bermudensis	1					
PELAGIBACILLUS						
Pelagibacillus goriensis	1					
PELAGICOCCUS						
Pelagicoccus albus	1					
Pelagicoccus croceus	1					
Pelagicoccus litoralis	1					
Pelagicoccus mobilis	1					
PELCZARIA						
Pelczaria aurantia	1					
PELISTEGA						
Pelistega europaea		2			t	
PELOBACTER						
Pelobacter acetylenicus	1					
Pelobacter acidigallici	1					
Pelobacter carbinolicus	1					
Pelobacter massiliensis	1					
Pelobacter propionicus	1					
Pelobacter seleniigenes	1					
Pelobacter venetianus	1					
"PELODICTYON"						
Pelodictyon clathratiforme → Chlorobium clathratiforme						
Pelodictyon luteolum → Chlorobium luteolum						
Pelodictyon phaeoclathratiforme → Chlorobium clathratiforme						
"Pelodictyon phaeum"	1					
PELOMONAS						
Pelomonas aquatica	1					
Pelomonas puraquae	1					
Pelomonas saccharophila (Pseudomonas saccharophila)	1					

Genera		Risk	group		Notes
Species	1	2	3	4	110168
DEL OCIVILO					
PELOSINUS Pelosinus fermentans	1				
1 closhius termentaris	1				
PELOSPORA					
Pelospora glutarica	1				
PELOTOMACULUM					
Pelotomaculum isophthalicum	1				
Pelotomaculum propionicicum	1				
Pelotomaculum schinkii	1				
Pelotomaculum terephthalicum	1				
Pelotomaculum thermopropionicum	1				
PEPTOCOCCUS					
Peptococcus asaccharolyticus → Peptoniphilus asaccharolyticus					
Peptococcus glycinophilus – synonym: Peptostreptococcus micros → Micromonas micros					
Peptococcus heliotrinreducens → Slackia heliotrinireducens					
Peptococcus indolicus → Peptoniphilus indolicus					
Peptococcus magnus → Finegoldia magna					
Peptococcus niger		2			ht
Peptococcus prevotii → Anaerococcus prevotii		-			110
Peptococcus saccharolyticus → Staphylococcus saccharolyticus					
reproceeds saccinatory acus / stapiny recoeds saccinatory acus					
PEPTONIPHILUS					
Peptoniphilus asaccharolyticus					
(Peptococcus asaccharolyticus, Peptostreptococcus asaccharolyticus)		2			
Peptoniphilus harei (Peptostreptococcus harei)		2			
Peptoniphilus indolicus (Peptococcus indolicus, Peptostreptococcus indolicus)		2			t
Peptoniphilus ivorii (Peptostreptococcus indoncus)		2			ι
Peptoniphilus lacrimalis (Peptostreptococcus lacrimalis)		2			
		_			
PEPTOSTREPTOCOCCUS Peptostreptococcus anaerobius		2			ht
Peptostreptococcus asaccharolyticus → Peptoniphilus asaccharolyticus		_			110
Peptostreptococcus barnesae → Gallicola barnesae					
• •					
Peptostreptococcus harei → Peptoniphilus harei					
Peptostreptococcus heliotrinreducens → Slackia heliotrinireducens					
Peptostreptococcus hydrogenalis → Anaerococcus hydrogenalis					
Peptostreptococcus indolicus → Peptoniphilus indolicus					
Peptostreptococcus ivorii → Peptoniphilus ivorii					
Peptostreptococcus lacrimalis → Peptoniphilus lacrimalis					
Peptostreptococcus lactolyticus → Anaerococcus lactolyticus					
Peptostreptococcus magnus → Finegoldia magna					
Peptostreptococcus micros → Parvimonas micra					
Peptostreptococcus octavius → Anaerococcus octavius					
Peptostreptococcus parvulus → Atopobium parvulum					
Peptostreptococcus prevotii → Anaerococcus prevotii					
Peptostreptococcus productus → Ruminococcus productus					

Genera	·	Risk group			Notes	
Species	1	2	3	4	note	
Peptostreptococcus stomatis		2				
Peptostreptococcus tetradius → Anaerococcus tetradius						
Peptostreptococcus vaginalis → Anaerococcus vaginalis						
PEREDIBACTER						
Peredibacter starrii (Bacteriovorax starrii, Bdellovibrio starrii)	1					
PEREXILIBACTER						
Perexilibacter aurantiacus	1					
i eleximpacter aurantiacus	1					
PERLUCIDIBACA						
Perlucidibaca piscinae	1					
PERSEPHONELLA						
Persephonella guaymasensis	1					
Persephonella hydrogeniphila	1					
Persephonella marina	1					
PERSICIRHABDUS						
Persicirhabdus sediminis	1					
PERSICITALEA						
Persicitalea jodogahamensis	1					
PERSICIVIRGA						
Persicivirga xylanidelens	1					
reisiciviiga xyraindeiens	1					
PERSICOBACTER						
Persicobacter diffluens (Cytophaga diffluens)	1					
PETRIMONAS						
Petrimonas sulfuriphila	1					
PETROBACTER						
Petrobacter succinatimandens	1					
PETROTOGA						
Petrotoga halophila	1					
Petrotoga mexicana	1					
Petrotoga miotherma	1					
Petrotoga mobilis	1					
Petrotoga olearia	1					
Petrotoga sibirica	1					
PFENNIGIA → LAMPROCYSTIS						
Prennigia → Lamprocystis purpurea Pfennigia purpurea → Lamprocystis purpurea						
PHAEOBACTER						
Phaeobacter arcticus	1					
Phaeobacter daeponensis	1					
Phaeobacter gallaeciensis (Roseobacter gallaeciensis)	1					
Phaeobacter inhibens	1					

Genera		Risk group		NT .
Species	1	$2 \stackrel{\circ}{3}$	4	Notes
PHAEOSPIRILLUM				
Phaeospirillum fulvum (Rhodospirillum fulvum)	1			
Phaeospirillum molischianum (Rhodospirillum molischianum)	1			
PHASCOLARCTOBACTERIUM				
Phascolarctobacterium faecium	1			
PHENYLOBACTERIUM				
Phenylobacterium falsum	1			
Phenylobacterium immobile	1			
Phenylobacterium koreense	1			
Phenylobacterium lituiforme	1			
PHOCOENOBACTER				
Phocoenobacter uteri	1			
PHOTOBACTERIUM				
Photobacterium angustum	1			
Photobacterium aplysiae	1			
Photobacterium damselae subsp. damselae (Vibrio damsela, Listonella damsela)		2		Z
Photobacterium damselae subsp. piscicida (Pasteurella piscicida)	1	2		t2
Photobacterium fischeri = Vibrio fischeri → Aliivibrio fischeri	1			τ.
Photobacterium frigidiphilum	1			
Photobacterium ganghwense	1			
Photobacterium halotolerans	1			
Photobacterium histaminum – synonym:	1			
Photobacterium damselae subsp. damselae	4			
Photobacterium iliopiscarium (Vibrio iliopiscarius)	1			
Photobacterium indicum (Hyphomicrobium indicum)	1			
Photobacterium kishitanii	1			
Photobacterium leiognathi	1			
Photobacterium lipolyticum	1			
Photobacterium logei → Vibrio logei	1			
Photobacterium lutimaris	1			
Photobacterium phosphoreum	1			
Photobacterium profundum	1			
Photobacterium rosenbergii	1			n
PHOTORHABDUS				
Photorhabdus asymbiotica subsp. asymbiotica		2		
Photorhabdus asymbiotica subsp. australis		2		
Photorhabdus luminescens subsp. akhurstii	1			n
Photorhabdus luminescens subsp. kayaii	1			n
Photorhabdus luminescens subsp. laumondii	1			n
Photorhabdus luminescens subsp. luminescens (Xenorhabdus luminescens)	1			n
Photorhabdus luminescens subsp. thracensis	1			n
Photorhabdus temperata	1			n
PHYCICOCCUS				
Phycicoccus dokdonensis	1			
Phycicoccus jejuensis	1			
<i>i</i> , , , , , , , , , , , , , , , , , , ,				

Genera		Risk g	group		Notes
Species	1	2	3	4	Notes
PHYCICOLA					
Phycicola gilvus	1				
PHYLLOBACTERIUM					
	1				
Phyllobacterium bourgognense	1				
Phyllobacterium brassicacearum	1				
Phyllobacterium catacumbae	1				
Phyllobacterium ifriqiyense	1				
Phyllobacterium leguminum	1				
Phyllobacterium myrsinacearum	1				
Phyllobacterium rubiacearum — synonym: Phyllobacterium myrsinacearum					
Phyllobacterium trifolii	1				
PIBOCELLA					
Pibocella ponti	1				
PICROPHILUS					
Picrophilus oshimae	1				
Picrophilus torridus	1				
PIGMENTIPHAGA					
Pigmentiphaga daeguensis	1				
Pigmentiphaga kullae	1				
PILIBACTER					
Pilibacter termitis	1				
PILIMELIA					
Pilimelia anulata	1				
Pilimelia columellifera subsp. columellifera	1				
Pilimelia columellifera subsp. pallida	1				
Pilimelia terevasa	1				
PILLOTINA					
Pillotina calotermitidis	1				
PIMELOBACTER \rightarrow NOCARDIOIDES resp. TERRABACTER					
Pimelobacter jensenii → Nocardioides jensenii					
Pimelobacter simplex → Nocardioides simplex					
<u>.</u>					
Pimelobacter tumescens → Terrabacter tumescens					
PIRELLA o PIRELLULA resp. $BLASTOPIRELLULA$					
Pirella marina → Blastopirellula marina					
Pirella staleyi → Pirellula staleyi					
PIRELLULA					
Pirellula marina → Blastopirellula marina					
Pirellula staleyi (Pirella staleyi)	1				
PISCIBACILLUS					
	1				
iscibacillus salipiscarius	1				

Genera		Risk gro	oup		
Species	1	2	3	4	Notes
DYS CADA CATEFORM					
PISCIRICKETTSIA Distribute to the service of the s	1				+2
Piscirickettsia salmonis	1				t2
PLANCTOMYCES					
Planctomyces bekefii	1				
Planctomyces brasiliensis	1				
Planctomyces guttaeformis	1				
Planctomyces limnophilus	1				
Planctomyces maris	1				
Planctomyces stranskae	1				
PLANIFILUM					
Planifilum fimeticola	1				
Planifilum fulgidum	1				
Planifilum yunnanense	1				
DI ANIODISDODA					
PLANOBISPORA Diagraphica and leaving and	1				
Planobispora longispora	1				
Planobispora rosea	1				
PLANOCOCCUS					
Planococcus alkanoclasticus → Planomicrobium alkanoclasticum					
Planococcus antarcticus	1				
Planococcus citreus	1				
Planococcus columbae	1				
Planococcus donghaensis	1				
Planococcus halophilus → Marinococcus halophilus					
Planococcus kocurii	1				
Planococcus maitriensis	1				
Planococcus maritimus	1				
Planococcus mcmeekinii → Planomicrobium mcmeekinii					
Planococcus okeanokoites → Planomicrobium okeanokoites					
Planococcus psychrophilus → Planomicrobium psychrophilum					
Planococcus rifietensis	1				
Planococcus stackebrandtii	1				
PLANOMICROBIUM					
Planomicrobium alkanoclasticum (Planococcus alkanoclasticus)	1				
Planomicrobium chinense	1				
Planomicrobium koreense	1				
Planomicrobium mcmeekinii (Planococcus mcmeekinii)	1				
Planomicrobium okeanokoites	1				
(Flavobacterium okeanokoites, Planococcus okeanokoites)	1				
Planomicrobium psychrophilum (Planococcus psychrophilus)	1				
PLANOMONOSPORA Planomonospora alba	1				
	1				
Planomonospora parontospora subsp. antibiotica	1				
Planomonospora parontospora subsp. parontospora Planomonospora sphaerica	1				
± ±	1				
Planomonospora venezuelensis	1				

Genera		Risk group		N T .
Species	1	2 3	4	Notes
PLANOPOLYSPORA → CATENULOPLANES				
Planopolyspora crispa → Catenuloplanes crispus				
PLANOSPORANGIUM				
Planosporangium flavigriseum	1			
PLANOTETRASPORA				
Planotetraspora mira	1			
Planotetraspora silvatica	1			
PLANTIBACTER				
Plantibacter flavus	1			
PLEOMORPHOMONAS				
Pleomorphomonas koreensis	1			
Pleomorphomonas oryzae	1			
PLESIOCYSTIS				
Plesiocystis pacifica	1			
PLESIOMONAS				
Plesiomonas shigelloides		2		ht
POLARIBACTER				
Polaribacter butkevichii	1			
Polaribacter dokdonenis	1			
Polaribacter filamentus	1			
Polaribacter franzmannii	1			
Polaribacter glomeratus (Flectobacillus glomeratus)	1			
Polaribacter irgensii	1			
POLAROMONAS				
Polaromonas aquatica	1			
Polaromonas hydrogenivorans	1			
Polaromonas jejuensis	1			
Polaromonas naphthalenivorans	1			
Polaromonas vacuolata	1			
POLYANGIUM				
Polyangium aureum	1			
Polyangium cellulosum → Sorangium cellulosum				
Polyangium fumosum	1			
Polyangium luteum	1			
Polyangium minor → Haploangium minus				
Polyangium parasiticum	1			
Polyangium rugiseptum → Haploangium rugiseptum				
Polyangium sorediatum	1			
Polyangium spumosum	1			
Polyangium vitellinum	1			
POLYMORPHOSPORA				
Polymorphospora rubra	1			

Genera		Risk group		
Species	1	2 3	4	Notes
POLYNUCLEOBACTER			•	
Polynucleobacter necessarius	1			
PONTIBACILLUS				
Pontibacillus chungwhensis	1			
Pontibacillus marinus	1			
PONTIBACTER				
Pontibacter actiniarum	1			
Pontibacter akesuensis	1			
Pontibacter korlensis	1			
PONTICOCCUS				
Ponticoccus litoralis	1			
PORPHYROBACTER				
Porphyrobacter cryptus	1			
Porphyrobacter dokdonensis	1			
Porphyrobacter donghaensis	1			
Porphyrobacter neustonensis	1			
Porphyrobacter sanguineus	1			
Porphyrobacter tepidarius	1			
PORPHYROMONAS				
Porphyromonas asaccharolytica (Bacteroides asaccharolyticus)		2		ht
Porphyromonas cangingivalis		2		t
Porphyromonas canoris		2		ht
Porphyromonas cansulci		2		t
Porphyromonas catoniae (Oribaculum catoniae)		2		
Porphyromonas circumdentaria		2		t
Porphyromonas crevioricanis		2		t
Porphyromonas endodontalis (Bacteroides endodontalis)		2		
Porphyromonas gingivalis (Bacteroides gingivalis)		2		ht
Porphyromonas gingivicanis		2		t
Porphyromonas gulae		2		t
Porphyromonas levii (Bacteroides levii)		2		ht
Porphyromonas macacae (Bacteroides melaninogenicus subsp. macacae, Bacteroides macacae)		2		ht
Porphyromonas salivosa – synonym: Porphyromonas macacae		2		110
Porphyromonas somerae		2		
Porphyromonas uenonis		2		
PRAGIA				
Pragia fontium	1			
PRAUSERELLA				
Prauserella alba	1			
Prauserella halophila	1			
Prauserella rugosa (Amycolatopsis rugosa)	1			
PREVOTELLA				
Prevotella albensis		2		
Prevotella amnii	1			+

Genera		Risk	group		
Species	1	2	3	4	Notes
Prevotella baroniae		2		•	
Prevotella bergensis		2			
Prevotella bivia (Bacteroides bivius)		2			ht
Prevotella brevis					
(Bacteroides ruminicola subsp. brevis,					
Prevotella ruminicola subsp. brevis)		2			ht
Prevotella bryantii		2			
Prevotella buccae (Bacteroides buccae)		2			ht
Prevotella buccalis (Bacteroides buccalis)		2			
Prevotella copri	1				
Prevotella corporis (Bacteroides corporis)		2			
Prevotella dentalis (Mitsuokella dentalis)	1				+
Prevotella denticola (Bacteroides denticola)		2			ht
Prevotella disiens (Bacteroides disiens)		2			
Prevotella enoeca	1				+
Prevotella heparinolytica (Bacteroides heparinolyticus)		2			ht
Prevotella intermedia					
(Bacteroides intermedius, Bacteroides melaninogenicus subsp.					
intermedius)		2			ht
Prevotella loescheii (Bacteroides loescheii)		2			
Prevotella maculosa	1				+
Prevotella marshii		2			
Prevotella melaninogenica					
(Bacteroides melaninogenicus, Bacteroides melaninogenicus subsp.		2			1- 4
melaninogenicus) Prevotella multiformis		2			ht
Prevotella multisaccharivorax		2 2			
Prevotella nanceiensis		2			
Prevotella nigrescens Provotella orglio (Reptanoides applio)		2			ht
Prevotella oralis (Bacteroides oralis)		2			nt
Prevotella oris (Bacteroides oris)	1	2			
Prevotella oulora (Bacteroides oulorum)	1	2			
Prevotella pallens	1	2			
Prevotella paludivivens	1				
Prevotella pleuritidis	1	2			+
Prevotella ruminicola (Bacteroides ruminicola subsp. ruminicola)		2			
Prevotella ruminicola subsp. brevis → Prevotella brevis					
Prevotella salivae	1				+
Prevotella shahii	1				
Prevotella stercorea	1				
Prevotella tannerae		2			
Prevotella timonensis	1				+
Prevotella veroralis (Bacteroides veroralis)	1				
Prevotella zoogleoformans		2			1 .
(Capsularis zoogleiformans, Bacteroides zoogleoformans)		2			ht
PROCHLORON					
Prochloron didemni	1				
PROCHLOROTHRIX					
Prochlorothrix hollandica	1				

PROLINOBORUS

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Prolinoborus fasciculus (Aquaspirillum fasciculus)	1				
PROLIXIBACTER					
Prolixibacter bellariivorans	1				
PROMICROMONOSPORA					
Promicromonospora aerolata	1				
Promicromonospora citrea	1				
Promicromonospora enterophila → Oerskovia enterophila					
Promicromonospora kroppenstedtii	1				
Promicromonospora pachnodae → Xylanimicrobium pachnodae					
Promicromonospora sukumoe	1				
Promicromonospora vindobonensis	1				
PROPIONIBACTER → PROPIONIVIBRIO					
Propioni bacter pelophilus \rightarrow Propionivibrio pelophilus					
PROPIONIBACTERIUM					
Propionibacterium acidipropionici	1				
Propionibacterium acnes		2			
Propionibacterium australiense		2			t
Propionibacterium avidum		2			
Propionibacterium cyclohexanicum	1				
Propionibacterium freudenreichii subsp. freudenreichii	1				
Propionibacterium freudenreichii subsp. shermanii	1				
Propionibacterium granulosum		2			ht
Propionibacterium innocuum → Propioniferax innocua					
Propionibacterium jensenii	1				+
Propionibacterium lymphophilum					
→ Propionimicrobium lymphophilum					
Propionibacterium microaerophilum	1				
Propionibacterium propionicum (Arachnia propionica)		2			
Propionibacterium thoenii	1				
PROPIONICICELLA					
Propionicicella superfundia	1				
PROPIONICIMONAS					
Propionicimonas paludicola	1				
PROPIONIFERAX					
Propioniferax innocua (Propionibacterium innocuum)	1				
PROPIONIGENIUM					
Propionigenium maris	1				
Propionigenium modestum	1				
PROPIONIMICROBIUM					
Propionimicrobium lymphophilum (Propionibacterium lymphophilum)		2			
PROPIONISPIRA					
Propionispira arboris	1				

Genera		Risk group		
Species	1	$2 \stackrel{\circ}{3} \stackrel{\circ}{3}$	4	Notes
PROPIONISPORA				
Propionispora hippei	1			
Propionispora vibrioides	1			
PROPIONIVIBRIO				
Propionivibrio dicarboxylicus	1			
Propionivibrio limicola	1			
Propionivibrio pelophilus (Propionibacter pelophilus)	1			
PROSTHECOBACTER				
Prosthecobacter debontii	1			
Prosthecobacter dejongeii	1			
Prosthecobacter fluviatilis	1			
Prosthecobacter fusiformis	1			
Prosthecobacter vanneervenii	1			
PROCEENING COMMONIC				
PROSTHECOCHLORIS	1			
Prosthecochloris aestuarii	1			
Prosthecochloris vibrioformis (Chlorobium vibrioforme)	1			
PROSTHECOMICROBIUM				
Prosthecomicrobium enhydrum	1			
Prosthecomicrobium hirschii	1			
Prosthecomicrobium litoralum	1			
Prosthecomicrobium pneumaticum	1			
PROTEINIBORUS				
Proteiniborus ethanoligenes	1			
PROTEINIPHILUM				
Proteiniphilum acetatigenes	1			
PROTEUS		2		
Proteus hauseri		2		•
Proteus inconstans = Providencia alcalifaciens /stuartii		2		ht
Proteus mirabilis		2		ht
Proteus morganii = Morganella morganii subsp. morganii		2		ht
Proteus myxofaciens	1	_		
Proteus penneri		2		
Proteus rettgeri = Providencia rettgeri		2		
Proteus vulgaris		2		
PROTOMONAS → METHYLOBACTERIUM				
Protomonas extorquens → Methylobacterium extorquens				
PROVIDENCIA				
Providencia alcalifaciens = Proteus inconstans		2		ht
Providencia friedericiana – synonym: Providencia rustigianii		4		116
Providencia heimbachae	1			
	1	2		+
Providencia rettgeri = Proteus rettgeri		2		
Providencia rustigianii		2		
Providencia stuartii = Proteus inconstans	4	2		
Providencia vermicola	1			

Genera		Risk group		Mara
Species	1	2 3	4	Notes
PSEUDACIDOVORAX				
Pseudacidovorax intermedius	1			
PSEUDAMINOBACTER				
Pseudaminobacter defluvii	1			
Pseudaminobacter salicylatoxidans	1			
PSEUDIDIOMARINA				
Pseudidiomarina sediminum	1			
Pseudidiomarina taiwanensis	1			
PSEUDOALTEROMONAS				
Pseudoalteromonas agarivorans	1			
Pseudoalteromonas aliena	1			
Pseudoalteromonas antarctica	1			
Pseudoalteromonas atlantica (Alteromonas atlantica)	1			
Pseudoalteromonas aurantia (Alteromonas aurantia)	1			
Pseudoalteromonas bacteriolytica → Algicola bacteriolytica				
Pseudoalteromonas byunsanensis	1			
Pseudoalteromonas carrageenovora (Alteromonas carrageenovora)	1			
Pseudoalteromonas citrea (Alteromonas citrea)	1			
Pseudoalteromonas denitrificans (Alteromonas denitrificans)	1			
Pseudoalteromonas distincta (Alteromonas distincta)	1			
Pseudoalteromonas elyakovii (Alteromonas elyakovii)	1			р
Pseudoalteromonas espejiana (Alteromonas espejiana)	1			Р
Pseudoalteromonas flavipulchra	1			
Pseudoalteromonas haloplanktis	_			
(Alteromonas haloplanktis, Pseudoalteromonas haloplanktis subsp.				
haloplanktis)	1			n
Pseudoalteromonas haloplanktis subsp. haloplanktis				
→ Pseudoalteromonas haloplanktis				
Pseudoalteromonas haloplanktis subsp. tetraodonis				
→ Pseudoalteromonas tetraodonis				
Pseudoalteromonas issachenkonii	1			
Pseudoalteromonas luteoviolacea (Alteromonas luteoviolacea)	1			
Pseudoalteromonas maricaloris	1			
Pseudoalteromonas marina	1			
Pseudoalteromonas mariniglutinosa	1			
Pseudoalteromonas nigrifaciens (Alteromonas nigrifaciens)	1			
Pseudoalteromonas paragorgicola	1			
Pseudoalteromonas peptidolytica	1			
Pseudoalteromonas phenolica	1			
Pseudoalteromonas piscicida ("Pseudomonas" piscicida)	1			t2
Pseudoalteromonas prydzensis	1			
Pseudoalteromonas rubra (Alteromonas rubra)	1			
Pseudoalteromonas ruthenica	1			
Pseudoalteromonas sagamiensis → Algicola sagamiensis				
Pseudoalteromonas spongiae	1			
Pseudoalteromonas tetraodonis				
(Alteromonas tetraodonis, Pseudoalteromonas haloplanktis subsp.				
tetraodonis)	1			n
Pseudoalteromonas translucida	1			

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Pseudoalteromonas tunicata	1				
Pseudoalteromonas ulvae	1				
Pseudoalteromonas undina (Alteromonas undina)	1				
PSEUDOAMYCOLATA → PSEUDONOCARDIA					
Pseudoamycolata halophobica → Pseudonocardia halophobica					
PSEUDOBUTYRIVIBRIO					
Pseudobutyrivibrio ruminis	1				
Pseudobutyrivibrio xylanivorans	1				
PSEUDOCAEDIBACTER					
Pseudocaedibacter conjugatus	1				
Pseudocaedibacter falsus	1				
Pseudocaedibacter minutus	1				
PSEUDOCHROBACTRUM					
Pseudochrobactrum kiredjianiae	1				
Pseudochrobactrum saccharolyticum	1				
PSEUDOCLAVIBACTER = ZIMMERMANNELLA					
Pseudoclavibacter helvolus = Zimmermannella helvola	1				
PSEUDOLABRYS					
Pseudolabrys taiwanensis	1				
PSEUDOMONAS					
Pseudomonas abietaniphila	1				
Pseudomonas acidovorans → Delftia acidovorans					
Pseudomonas aeruginosa		2			ht
Pseudomonas agarici	1				р
Pseudomonas alcaligenes		2			1
Pseudomonas alcaliphila	1				
Pseudomonas aminovorans → Aminobacter aminovorans					
Pseudomonas amygdali	1				р
Pseudomonas andropogonis → Burkholderia andropogonis					1
Pseudomonas anguilliseptica	1				t2
Pseudomonas antarctica	1				
Pseudomonas antimicrobica – synonym: Burkholderia gladioli					
Pseudomonas argentinensis	1				
Pseudomonas asplenii	1				р
Pseudomonas aurantiaca – synonym: Pseudomonas chlororaphis subsp. aurantiaca					•
Pseudomonas aureofaciens					
→ Pseudomonas chlororaphis subsp. aureofaciens					
Pseudomonas avellanae (Pseudomonas syringae pv. avellanae)	1				р
Pseudomonas avenae → Acidovorax avenae subsp. avenae					Г
Pseudomonas azotifigens	1				
1.30.10.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	1				
_	1				
Pseudomonas azotoformans	1 1				
Pseudomonas azotoformans Pseudomonas balearica Pseudomonas beijerinckii → Chromohalobacter beijerinckii					

Genera		Risk	group		Notes
Species	1	2	3	4	INDIES
Pseudomonas borbori	1				
Pseudomonas boreopolis	1				
Pseudomonas brassicacearum	1				
Pseudomonas brenneri	1				
Pseudomonas cannabina	1				р
Pseudomonas carboxydohydrogena	1				_
Pseudomonas caricapapayae	1				p
Pseudomonas caryophylli → Burkholderia caryophylli					
Pseudomonas cattleyae → Acidovorax avenae subsp. cattleyae					
Pseudomonas cedrella	1				
Pseudomonas cepacia → Burkholderia cepacia					
Pseudomonas chloritidismutans	1				
Pseudomonas chlororaphis					
→ Pseudomonas chlororaphis subsp. chlororaphis					
Pseudomonas chlororaphis subsp. aurantiaca	1				
Pseudomonas chlororaphis subsp. aureofaciens					
(Pseudomonas aureofaciens)	1				
Pseudomonas chlororaphis subsp. chlororaphis					
(Pseudomonas chlororaphis)	1				
Pseudomonas cichorii	1				p
Pseudomonas cissicola	1				p
Pseudomonas citronellolis	1				
Pseudomonas cocovenenans → Burkholderia gladioli					
Pseudomonas congelans	1				
Pseudomonas corrugata	1				p
Pseudomonas costantinii	1				p
Pseudomonas cremoricolorata	1				
Pseudomonas delafieldii → Acidovorax delafieldii					
Pseudomonas delhiensis	1				
Pseudomonas diminuta → Brevundimonas diminuta					
Pseudomonas doudoroffii → Oceanimonas doudoroffii					
Pseudomonas duriflava	1				
Pseudomonas echinoides → Sphingomonas echinoides					
Pseudomonas elongata → Microbulbifer elongatus					
Pseudomonas extremorientalis	1				
Pseudomonas facilis → Acidovorax facilis					
Pseudomonas ficuserectae – synonym: Pseudomonas amygdali					
Pseudomonas flava → Hydrogenophaga flava					
Pseudomonas flavescens	1				р
Pseudomonas flectens	1				Г
Pseudomonas fluorescens	1				+, n
Pseudomonas fragi	1				,
Pseudomonas frederiksbergensis	1				
Pseudomonas fulva	1				
Pseudomonas fuscovaginae	1				
Pseudomonas gelidicola	1				
Pseudomonas geniculata	1				
Pseudomonas gessardii	1				
Pseudomonas gladioli → Burkholderia gladioli					
Pseudomonas glathei → Burkholderia glathei					
Pseudomonas glumae → Burkholderia glumae					
0 0 0					

Genera		Risk g	roup		Mataa
Species	1	2	3	4	Notes
Pseudomonas graminis	1				
Pseudomonas grimontii	1				
Pseudomonas guineae	1				
Pseudomonas halophila	1				
Pseudomonas hibiscicola	1				p
Pseudomonas huttiensis → Herbaspirillum huttiense					1
Pseudomonas indica	1				
Pseudomonas indigofera → Vogesella indigofera					
Pseudomonas iners – synonym: Marinobacterium georgiense					
Pseudomonas jessenii	1				
Pseudomonas jinjuensis	1				
Pseudomonas kilonensis	1				
Pseudomonas knackmussii	1				
Pseudomonas koreensis	1				
Pseudomonas lanceolata → Curvibacter lanceolatus	_				
Pseudomonas lemoignei → Paucimonas lemoignei Pseudomonas libanensis	1				
Pseudomonas lini	1 1				
Pseudomonas lundensis	1				
Pseudomonas lurida	1				
Pseudomonas lutea	1				
Pseudomonas luteola	1	2			
		2			
Pseudomonas mallei → Burkholderia mallei					
Pseudomonas maltophilia → Stenotrophomonas maltophilia	4				
Pseudomonas mandelii	1				
Pseudomonas marginalis	1				p
Pseudomonas marina → Cobetia marina					
Pseudomonas marincola	1				
Pseudomonas mediterranea	1				p
Pseudomonas meliae – synonym: Pseudomonas amygdali					
Pseudomonas mendocina		2			
Pseudomonas mephitica – synonym: Janthinobacterium lividum	4				
Pseudomonas meridiana	1				
Pseudomonas mesophilica → Methylobacterium mesophilicum					
Pseudomonas migulae	1				
Pseudomonas mixta → Telluria mixta					
Pseudomonas mohnii	1				
Pseudomonas monteilii	1				+
Pseudomonas moorei	1				
Pseudomonas moraviensis	1				
Pseudomonas mosselii	1				+
Pseudomonas mucidolens	1				
Pseudomonas multiresinivorans – synonym:					
Pseudomonas nitroreducens					
Pseudomonas nautica → Marinobacter hydrocarbonoclasticus					
Pseudomonas nitroreducens	1				
Pseudomonas oleovorans	1				
Pseudomonas orientalis	1	2			
Pseudomonas oryzihabitans		2			
Pseudomonas otitidis		2			
Pseudomonas pachastrellae	1	4			

Genera		Risk	group		Notes	
Species	1	2	3	4	inotes	
Pseudomonas palleroniana	1				р	
Pseudomonas palleronii → Hydrogenophaga palleronii					•	
Pseudomonas panacis	1				p	
Pseudomonas panipatensis	1				1	
Pseudomonas parafulva	1					
Pseudomonas paucimobilis → Sphingomonas paucimobilis						
Pseudomonas peli	1					
Pseudomonas perfectomarina – synonym: Pseudomonas stutzeri						
Pseudomonas pertucinogena	1					
Pseudomonas phenazinium → Burkholderia phenazinium						
Pseudomonas pickettii → Ralstonia pickettii						
Pseudomonas pictorum	1					
"Pseudomonas" piscicida → Pseudoalteromonas piscicida	•					
Pseudomonas plantarii → Burkholderia plantarii						
1	1				t2	
Pseudomonas plecoglossicida Pseudomonas poae	1 1				lΔ	
Pseudomonas pohangensis	1					
Pseudomonas proteolytica	1					
Pseudomonas proteolytica Pseudomonas pseudoalcaligenes	1				+ 0	
Pseudomonas pseudoalcaligenes subsp. citrulli	1				+, p	
→ Acidovorax avenae subsp. citrulli						
Pseudomonas pseudoalcaligenes subsp. konjaci						
→ Acidovorax konjaci						
Pseudomonas pseudoflava → Hydrogenophaga pseudoflava						
Pseudomonas pseudomallei → Burkholderia pseudomallei	1					
Pseudomonas psychrophila	1 1					
Pseudomonas psychrotolerans Pseudomonas putida	1	2^{G}				
		20				
Pseudomonas pyrrocinia → Burkholderia pyrrocinia						
Pseudomonas radiora → Methylobacterium radiotolerans						
Pseudomonas reinekei	1					
Pseudomonas resinovorans	1					
Pseudomonas rhizosphaerae	1					
Pseudomonas rhodesiae	1					
Pseudomonas rhodos → Methylobacterium rhodinum						
"Pseudomonas riboflavina" → Devosia riboflavina						
Pseudomonas rubrilineans – synonym:						
Acidovorax avenae subsp. avenae						
Pseudomonas rubrisubalbicans → Herbaspirillum rubrisubalbicans						
Pseudomonas saccharophila → Pelomonas saccharophila						
Pseudomonas salomonii	1				p	
Pseudomonas savastanoi (Pseudomonas syringae subsp. savastanoi)	1				p	
Pseudomonas segetis	1					
Pseudomonas simiae		2			t	
Pseudomonas solanacearum → Ralstonia solanacearum						
Pseudomonas spinosa → Malikia spinosa						
Pseudomonas stanieri → Marinobacterium stanieri						
Pseudomonas straminea	1					
Pseudomonas stutzeri	1				+	

 G Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk	group		
Species	1	2	3	4	Notes
Pseudomonas synxantha	1			<u> </u>	
Pseudomonas syringae	1				p2
Pseudomonas syringae pv. avellanae → Pseudomonas avellanae	•				P-
, , ,					
Pseudomonas syringae subsp. savastanoi → Pseudomonas savastanoi					
Pseudomonas syzygii → Ralstonia syzygii					
Pseudomonas taeniospiralis → Hydrogenophaga taeniospiralis					
Pseudomonas taetrolens	1				
Pseudomonas testosteroni → Comamonas testosteroni					
Pseudomonas thermotolerans	1				
Pseudomonas thivervalensis	1				
Pseudomonas tolaasii	1				p
Pseudomonas tremae	1				p
Pseudomonas trivialis	1				
Pseudomonas umsongensis	1				
Pseudomonas vancouverensis	1				
Pseudomonas veronii	1				
Pseudomonas vesicularis → Brevundimonas vesicularis					
Pseudomonas viridiflava	1				p
Pseudomonas vranovensis	1				
Pseudomonas woodsii – synonym: Burkholderia andropogonis					
Pseudomonas xanthomarina	1				
PSEUDONOCARDIA					
Pseudonocardia alaniniphila	1				
Pseudonocardia alni (Amycolata alni)	1				
Pseudonocardia ammonioxydans	1				
Pseudonocardia antarctica	1				
Pseudonocardia asaccharolytica	1				
Pseudonocardia aurantiaca	1				
Pseudonocardia autotrophica (Nocardia autotrophica, Amycolata autotrophica)	1				+
Pseudonocardia azurea → Amycolatopsis azurea					
Pseudonocardia benzenivorans	1				
Pseudonocardia chloroethenivorans	1				
Pseudonocardia compacta	1				
Pseudonocardia dioxanivorans	1				
Pseudonocardia halophobica (Pseudoamycolata halophobica)	1				
Pseudonocardia hydrocarbonoxydans					
(Nocardia hydrocarbonoxydans, Amycolata hydrocarbonoxydans)	1				
Pseudonocardia kongjuensis	1				
Pseudonocardia nitrificans	1				
Pseudonocardia oroxyli	1				
Pseudonocardia petroleophila (Nocardia petroleophila)	1				
Pseudonocardia saturnea (Nocardia saturnea, Amycolata saturnea)	1				
Pseudonocardia spinosa	1				
Pseudonocardia spinosispora	1				
Pseudonocardia sulfidoxydans	1				
Pseudonocardia tetrahydrofuranoxydans	1				
Pseudonocardia thermophila	1				
Pseudonocardia xinjiangensis	1				
Pseudonocardia yunnanensis	1 1				
Pseudonocardia zijingensis	1				

Genera		Risk g	roup		
Species	1	2	3	4	Notes
PSEUDORAMIBACTER					
Pseudoramibacter alactolyticus (Eubacterium alactolyticum)		2			
PSEUDORHODOBACTER					
Pseudorhodobacter ferrugineus (Agrobacterium ferrugineum)	1				
PSEUDORUEGERIA					
Pseudoruegeria aquimaris	1				
PSEUDOSPHINGOBACTERIUM					
Pseudosphingobacterium domesticum	1				
	_				
PSEUDOSPIRILLUM					
Pseudospirillum japonicum (Oceanospirillum japonicum)	1				
PSEUDOSPORANGIUM					
Pseudosporangium ferrugineum	1				
1 seudosporangium terrugineum	1				
PSEUDOVIBRIO					
Pseudovibrio ascidiaceicola	1				
Pseudovibrio denitrificans	1				
Pseudovibrio japonicus	1				
PSEUDOXANTHOBACTER					
Pseudoxanthobacter soli	1				
1 seudoxandiobacter son	1				
PSEUDOXANTHOMONAS					
Pseudoxanthomonas broegbernensis	1				
Pseudoxanthomonas daejeonensis	1				
Pseudoxanthomonas japonensis	1				
Pseudoxanthomonas kalamensis	1				
Pseudoxanthomonas kaohsiungensis	1				
Pseudoxanthomonas koreensis	1				
Pseudoxanthomonas mexicana	1				
Pseudoxanthomonas spadix	1				
Pseudoxanthomonas suwonensis	1				
Pseudoxanthomonas taiwanensis	1				
Pseudoxanthomonas yeongjuensis	1				
PSYCHROBACTER					
Psychrobacter adeliensis	1				
Psychrobacter alimentarius	1				
Psychrobacter aquaticus	1				
Psychrobacter aquimaris	1				
Psychrobacter arcticus	1				
Psychrobacter arenosus	1				
Psychrobacter celer	1				
Psychrobacter cibarius	1				
Psychrobacter cryohalolentis	1				
Psychropacter faecalis	1				
Psychrobacter faecalis Psychrobacter fozii	1 1				

Genera		Risk g	group		NT ·
Species	1	2	3	4	Notes
Psychrobacter glacincola	1				
Psychrobacter immobilis	1				+
Psychrobacter jeotgali	1				
Psychrobacter luti	1				
Psychrobacter marincola	1				
Psychrobacter maritimus	1				
Psychrobacter namhaensis	1				
Psychrobacter nivimaris	1				
Psychrobacter okhotskensis	1				
Psychrobacter pacificensis	1				
Psychrobacter phenylpyruvicus	•				
(Moraxella (Subgenus Moraxella) phenylpyruvica)		2			
Psychrobacter proteolyticus	1				
Psychrobacter pulmonis		2			t
Psychrobacter salsus	1	_			•
Psychrobacter submarinus	1				
Psychrobacter urativorans	1				
Psychrobacter vallis	1				
1 Sychrobacter value	1				
PSYCHROFLEXUS					
Psychroflexus gondwanensis (Flavobacterium gondwanense)	1				
Psychroflexus torquis	1				
Psychroflexus tropicus	1				
PSYCHROMONAS					
Psychromonas antarcticus	1				
Psychromonas aquimarina	1				
Psychromonas arctica	1				
Psychromonas hadalis	1				
Psychromonas ingrahamii	1				
Psychromonas japonica	1				
Psychromonas kaikoae	1				
Psychromonas macrocephali	1				
Psychromonas marina	1				
Psychromonas ossibalaenae	1				
Psychromonas profunda	1				
PSYCHROSERPENS					
Psychroserpens burtonensis	1				
Psychroserpens mesophilus	1				
PULLULANIBACILLUS					
Pullulanibacillus naganoensis (Bacillus naganoensis)	1				
PUNICEICOCCUS					
Puniceicoccus vermicola	1				
PUSILLIMONAS					
Pusillimonas noertemannii	1				
PYROBACULUM					
Pyrobaculum aerophilum	1				
Pyrobaculum arsenaticum	1				

Genera		Risk			
Species	1	2	3	4	Notes
Pyrobaculum calidifontis	1	<u>=</u>			
Pyrobaculum islandicum	1				
Pyrobaculum oguniense	1				
Pyrobaculum organotrophum	1				
PYROCOCCUS					
Pyrococcus furiosus	1				
Pyrococcus glycovorans	1				
Pyrococcus horikoshii	1				
Pyrococcus woesei	1				
PYRODICTIUM					
Pyrodictium abyssi	1				
Pyrodictium brockii	1				
Pyrodictium occultum	1				
PYROLOBUS					
Pyrolobus fumarii	1				
PYXICOCCUS					
Pyxicoccus fallax	1				
QUADRICOCCUS → QUATRIONICOCCUS					
Quadricoccus australiensis → Quatrionicoccus australiensis					
QUADRISPHAERA					
Quadrisphaera granulorum	1				
QUATRIONICOCCUS					
Quatrionicoccus australiensis (Quadricoccus australiensis)	1				
QUINELLA					
Quinella ovalis	1				
RAHNELLA					
Rahnella aquatilis	1				+
RALSTONIA					
Ralstonia basilensis → Cupriavidus basilensis					
Ralstonia campinensis → Cupriavidus campinensis					
Ralstonia eutropha (Alcaligenes eutrophus) → Wautersia eutropha – synonym: Cupriavidus necator					
Ralstonia gilardii → Cupriavidus gilardii					
Ralstonia insidiosa	1				+
Ralstonia mannitolilytica		2			
Ralstonia metallidurans → Cupriavidus metallidurans					
Ralstonia oxalatica → Cupriavidus oxalaticus					
•					
Ralstonia paucula → Cupriavidus pauculus Ralstonia pickettii (Pseudomonas pickettii, Burkholderia pickettii)		2^{G}			

 $^{\rm G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera Risk group Notes Species 1 2 3 4 "Ratstonia solanacearum", Burkholderia solanacearum") 1 2 2 Ratstonia syaying (Pseudomonas syayin) 1 2 3 2 Ralstonia syaying (Pseudomonas syayin) 1 3 3 3 8 Ralstonia taiwanensis → Cupriavidus taiwanensis 8 3 3 8<	Genera		Rick	oroup		
Ralstonia solanacearum* (Pseudomona solanacearum) purkholderia solanacearum) 1 p2 Ralstonia yavgii (Pseudomona syvgii) 1 p p Ralstonia yavgii (Pseudomona syvgii) 1 p p Ralstonia taiwanensis -> Cupriavidus taiwanensis RAMLIBACTER Ramlibacter henchirensis 1 cambibacter tataouimensis 1 cambibacter face trajenal (Klebsiella planticola) 1 cambibacter face trajenal (Klebsiella planticola) 1 cambibacter face trajenal (Klebsiella planticola) 1 cambibacter face trajenal (Klebsiella terrigena) 1 cambibacter face trajenal (Klebsiella trajenal trajenal cambibacter face trajenal cambibacter		1	•	_	4	Notes
QSeadomonas solanacearum, Burkholderia solanacearum) 1 p2 Ralstonia syvsgii (Pseudomonas syvsgii) 1 p Ralstonia tawanensis → Cupriavidus taiwanensis I I RAMIJBACTER Ramilbacter tanouinensis 1 I Ramilbacter tanouinensis 1 I RAOULTELLA Raoultella planticola (Klebsiella planticola) 1 ht+ Raoultella planticola (Klebsiella planticola) 1 ht+ RAPIDITHRIX Rapidithrix thailandica 1 ht+ RAROBACTER RAROBACTER Rarbayabacter facciabidus 1 a RATHAYIBACTER 1 a p Rathayabacter caricis 1 a p RATHAYIBACTER 1 p p Rathayabacter caricis 1 a p Rathayabacter rathayi (Clavibacter intinic, Corynebacterium rathayi) 1 p Rathayabacter roxicus (Clavibacter ro	1	1		<u> </u>	-	
Ralstonia syzygii (Pseudomonas syzygii) Ralstonia taiwanensis → Cupriavidus taiwanensis RAMLIBACTER RAMLIBACTER Ramilbacter henchirensis 1 RAOULTELLA Raoultella omithinolytica (Klebsiella omithinolytica) Raoultella omithinolytica (Klebsiella planticola) 1 ht+ Raoultella planticola (Klebsiella planticola) 1 ht+ Rapulfitrix Rapulfitrix thailandica 1 ht+ RAPIDITHIX Rapidithrix thailandica 1 RAROBACTER Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter faccitabidus RATHAYIBACTER Rathayibacter caricis 1 Rathayibacter trinicum, Corynebacterium iranicum) 1 pRathayibacter trinicum, Corynebacterium rathayi) 1 pRathayibacter trinicum, Corynebacterium rathayi) 1 propried trinicum, Corynebacterium rathayi 1 propried trinicum, Corynebacterium rathayi 2 propried trinicum, Corynebacterium rathayi 3 propried trinicum, Corynebacterium rathayi 4 propried trinicum, Corynebacterium rathayi 5 propried trinicum, Corynebacterium rathayi 6 propried trinicum, Corynebacterium, Corynebacterium rathayi 7 propried trinicum, Corynebacterium, Corynebacterium rathayi 8 propried trinicum, Corynebacterium, Corynebacterium rathayi 9 propried trinicum, Corynebacterium, Corynebacterium rathayi 1 propried trinicum, Corynebacterium, Corynebacterium rathayi 1 propried trinicum, Corynebacterium, Corynebacterium rathayi 1 propried trinicum, Corynebacterium, Coryn		1				p2
Ralstonia taiwanensis → Cupriavidus taiwanensis RAMILBACTER Ramilbacter henchirensis 1 Ramilbacter thenchirensis 1 Ramilbacter thenchirensis 1 Ramilbacter tataouinensis 1 RAOULTELLA Raoultella ornithinolytica (Klebsiella ornithinolytica) 2 Raoultella phanticola (Klebsiella planticola) 1 Raoultella phanticola (Klebsiella planticola) 1 Raoultella terrigena (Klebsiella terrigena) 1 ht+ RaPIDITHRIX RAPIDITHRIX RAPIDITHRIX RAPIDITHRIX RAROBACTER Rarobacter fraccitabidus 1 RAROBACTER Rarobacter fraccitabidus 1 RATHAYIBACTER Rathayibacter caricis 1 Rathayibacter fraccitarianus 1 Clavibacter festucae 1 Rathayibacter festucae 1 Rathayibacter rathayi (Clavibacter trathayi, Corynebacterium rathayi) 1 Rathayibacter rathici (Clavibacter trathayi, Corynebacterium rathayi) 1 Rathayibacter tratici (Clavibacter trotici, Corynebacterium ritrici) 1 REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachial agariperforans REICHENBACHIA → REICHENBACHIELLA Reichenbachialla agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinbacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Rhabdochromatium marinum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aguimaris 1 Rheinheimera baltica 1 Rheinheimera baltica 1						•
Ramilibacter hanchirensis Ramilibacter tataouinensis Ranilibacter tataouinensis RAOULTELLA Raoultella ornithinolytica (Klebsiella ornithinolytica) Raoultella planticola (Klebsiella planticola) Raoultella planticola (Klebsiella planticola) Raoultella planticola (Klebsiella planticola) Raoultella terrigena (Klebsiella terrigena) RAPIDITHRIX Rapidithrix thailandica RAROBACTER Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter incanus RATHAYIBACTER Rathayibacter caricis Rathayibacter festucae Rathayibacter festucae Rathayibacter inanicum, Corynebacterium iranicum) (Clavibacter inanicum, Corynebacterium iranicum) (Clavibacter trathayi (Clavibacter trathayi, Corynebacterium tritic) 1 p Rathayibacter tritici (Clavibacter trathayi, Corynebacterium tritici) 1 p REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachila agariperforans (Reichenbachiella agariperforans) 1 REINEKEA Reinekea blandensis Reinekea marinisedimentorum 1 telephachia tritici (Clavibacter trathayi (Clavibacter trathayi)) ReiCHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans (Reichenbachiala agariperforans) 1	, , , , , , ,					r
RAOULTELLA Raoultella ornithinolytica (Klebsiella ornithinolytica) Raoultella planticola (Klebsiella planticola) Raoultella planticola (Klebsiella planticola) Raoultella terrigena (Klebsiella planticola) Raoultella terrigena (Klebsiella planticola) RAPIDITHRIX Rapidithrix thailandica RAROBACTER Rarobacter faccitabidus Rarobacter faccitabidus Rarobacter incanus RATHAYIBACTER Rarbaylbacter caricis Rathaylbacter festucae Rathaylbacter festucae Rathaylbacter festucae Rathaylbacter restucae Rathaylbacter rantayi (Clavibacter rathayi, Corynebacterium rathayi) Rathaylbacter toxicus (Clavibacter tritici, Corynebacterium rinici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia gariperforans → Reichenbachia lagariperforans REICHENBACHILA Reichenbachia gariperforans (Reichenbachia agariperforans) REINEKEA Reinekea blandensis Reinekea plandensis Reinekea marinisedimentorum Renibacterium salmoninarum	RAMLIBACTER					
RAOULTELLA Raoultella omithinolytica (Klebsiella omithinolytica) Raoultella planticola (Klebsiella planticola) Raoultella planticola (Klebsiella planticola) Raoultella terrigena (Klebsiella terrigena) RAPIDITHRIX Rapidithrix thailandica RAROBACTER Rarobacter faccitabidus Rarobacter incanus RAROBACTER Rarobacter faccitabidus Rarobacter incanus RATHAYIBACTER Rathayibacter carcis Rathayibacter carcis Rathayibacter festucae Rathayibacter festucae Rathayibacter incanus RATHAYIBACTER Rathayibacter carcis 1 Rathayibacter incanus Clavibacter inanicum, Corynebacterium iranicum) Clavibacter inanicum, Corynebacterium rathayi) Rathayibacter trathayi (Clavibacter trathayi, Corynebacterium rathayi) Rathayibacter trathayi (Clavibacter tritici, Corynebacterium ritic) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) REICHENBACHIELLA Reinekea blandensis Reinekea marinisedimentorum REINBACTERIUM Renibacterium salmoninarum 1	Ramlibacter henchirensis	1				
Raoultella ornithinolytica (Klebsiella ornithinolytica) 2 Raoultella planticola (Klebsiella planticola) 1 ht+ Raoultella terrigena (Klebsiella planticola) 1 ht+ RAPIDITHRIX Tava de l'alta de l	Ramlibacter tataouinensis	1				
Raoultella planticola (Klebsiella planticola) Raoultella terrigena (Klebsiella terrigena) RAPIDITHRIX Rapidithrix thailandica RAROBACTER Rarobacter faecitabidus RATHAYIBACTER Rathayibacter carcicis Rathayibacter festucae Rathayibacter festucae Rathayibacter iranicum, Corynebacterium iranicum) (Clavibacter iranicum, Corynebacterium iranicum) Rathayibacter trinici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachia lagariperforans REICHENBACHIA → REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) REINEKEA Reinekea blandensis Reinekea blandensis Reinekea marinisedimentorum REINBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM RehabOCHROMATIUM RhabOCHROMATIUM Rhabochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera aduimaris Rheinheimera baltica Rheinheimera baltica Rheinheimera baltica Rheinheimera baltica Rheinheimera aluimaris Rheinheimera baltica Rheinheimera baltica Rheinheimera baltica Rheinheimera haltica Rheinheimera haltica Rheinheimera haltica Rheinheimera haltica Rheinheimera chironomi 1	RAOULTELLA					
Raoultella terrigena (Klebsiella terrigena) RAPIDITHRIX Rapidithrix thailandica RAROBACTER Rarobacter faecitabidus Rarobacter incanus RATHAYIBACTER Rathayibacter caricis Rathayibacter cisucae Rathayibacter iranicus (Clavibacter iranicum, Corynebacterium iranicum) (Clavibacter iranicus, Corynebacterium iranicum) Rathayibacter trotacius, Corynebacterium iranicum) Rathayibacter trotacius, Corynebacterium iranicum) Rathayibacter trianicus (Clavibacter iranicus, Corynebacterium iranicum) Rathayibacter tritici (Clavibacter tritici, Corynebacterium rathayi) Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) REINEKEA Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aquimaris 1 Rheinheimera aduimaris	Raoultella ornithinolytica (Klebsiella ornithinolytica)		2			
RAPIDITHRIX Rapidithrix thailandica 1 RAROBACTER RAROBACTER Rarobacter faceitabidus 1 Rarobacter faceitabidus 1 Rarobacter faceitabidus 1 Rarobacter faceitabidus 1 RathaylBACTER RathaylBACTER Rathaylbacter caricis 1 Rathaylbacter festucae 1 Rathaylbacter festucae 1 Rathaylbacter iranicus 1 Clavibacter iranicum, Corynebacterium iranicum) 1 Rathaylbacter iranicum, Corynebacterium iranicum) 1 Rathaylbacter iranicus 1 Rathaylbacter iranicum, Corynebacterium rathayi 1 Rathaylbacter irinici (Clavibacter toxicus) 1 Rathaylbacter tritici (Clavibacter tritici, Corynebacterium tritici) 1 Pale REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHILA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM RhabDoCHROMATIUM Rhabdochromatium marinum 1 RHINHEIMERA Rheinheimera aquimaris Rheinheimera lablica 1 Rheinheimera baltica 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Raoultella planticola (Klebsiella planticola)	1				ht+
RAROBACTER Rarobacter faecitabidus 1 Rarobacter incanus 1 RATHAYIBACTER Rathayibacter caricis 1 Rathayibacter festucae 1 Rathayibacter iranicus 1 (Clavibacter iranicus 1 (Clavibacter iranicum, Corynebacterium iranicum) 1 Rathayibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) 1 Rathayibacter rathici (Clavibacter rathayi, Corynebacterium rathayi) 1 Rathayibacter rinici (Clavibacter troxicus) 1 Rathayibacter rinici (Clavibacter troxicus) 1 Rathayibacter rinici (Clavibacter troxicus) 1 REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiala agariperforans REICHENBACHIELLA Reichenbachiala agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Raoultella terrigena (Klebsiella terrigena)	1				ht+
RAROBACTER Rarobacter faccitabidus Rarobacter incanus 1 RATHAYIBACTER Rathayibacter caricis Rathayibacter iranicus (Clavibacter iranicus, Corynebacterium iranicum) (Clavibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter toxicus (Clavibacter trathayi, Corynebacterium ritici) Rathayibacter toxicus (Clavibacter tritici, Corynebacterium tritici) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 RHEINHEIMERA Rheinheimera aduimaris 1 RHEINHEIMERA Rheinheimera aduimaris 1 Rheinheimera chironomi 1	RAPIDITHRIX					
Rarobacter faccitabidus Rarobacter incanus RATHAYIBACTER Rathayibacter caricis Rathayibacter festucae Rathayibacter festucae Rathayibacter iranicum (Clavibacter iranicum, Corynebacterium iranicum) (Clavibacter iranicum, Corynebacterium iranicum) (Clavibacter iranicum, Corynebacterium iranicum) (Rathayibacter toxicus (Clavibacter rathayi, Corynebacterium rathayi) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) REINEKEA Reinekea blandensis Reinekea blandensis Renibacterium 1 RENIBACTERIUM Renibacterium salmoninarum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 RHEINHEIMERA Rheinheimera aduimaris 1 RHEINHEIMERA Rheinheimera duirionomi 1	Rapidithrix thailandica	1				
RATHAYIBACTER Rathayibacter caricis Rathayibacter festucae Rathayibacter iranicus (Clavibacter iranicun, Corynebacterium iranicum) Rathayibacter rathayi (Clavibacter athayi, Corynebacterium rathayi) Rathayibacter roxicus (Clavibacter tritici, Corynebacterium tritici) Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera aquimaris Rheinheimera faltica 1 Rheinheimera faltica 1 Rheinheimera chironomi 1	RAROBACTER					
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Rathayibacter caricis Rathayibacter festucae Rathayibacter iranicus (Clavibacter iranicum, Corynebacterium iranicum) Rathayibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) Rathayibacter rathayi (Clavibacter trathayi, Corynebacterium rathayi) Rathayibacter trathayi (Clavibacter trathayi, Corynebacterium rathayi) Rathayibacter trathayi (Clavibacter toxicus) Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) REINEKEA Reinekea blandensis Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera aquimaris Rheinheimera aduimaris Rheinheimera aduimaris Rheinheimera aduimaris Rheinheimera chironomi 1	Rarobacter incanus	1				
Rathayibacter festucae Rathayibacter iranicus (Clavibacter iranicum, Corynebacterium iranicum) (Clavibacter iranicum, Corynebacterium iranicum) Rathayibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) Rathayibacter toxicus (Clavibacter toxicus) Rathayibacter tritici (Clavibacter toxicus) REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachia agariperforans (Reichenbachia agariperforans) REINEKEA Reinekea blandensis Reinekea blandensis Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera aquimaris Rheinheimera aduimaris Rheinheimera aduimaris Rheinheimera baltica Rheinheimera chironomi	RATHAYIBACTER					
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(Clavibacter iranicum, Corynebacterium iranicum) 1 p Rathayibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) 1 p Rathayibacter toxicus (Clavibacter toxicus) 1 p Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) 1 p REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis Reinekea marinisedimentorum 1 t2 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 t2 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera aquimaris Rheinheimera aduimaris Rheinheimera baltica Rheinheimera chironomi 1 t	Rathayibacter festucae	1				
Rathayibacter rathayi (Clavibacter rathayi, Corynebacterium rathayi) 1 p Rathayibacter toxicus (Clavibacter toxicus) 1 Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) 1 p REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea blandensis 1 total 1 tot						
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Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici) 1 p REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1		1				p
REICHENBACHIA → REICHENBACHIELLA Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aduimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Rathayibacter toxicus (Clavibacter toxicus)	1				
Reichenbachia agariperforans → Reichenbachiella agariperforans REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Rathayibacter tritici (Clavibacter tritici, Corynebacterium tritici)	1				p
REICHENBACHIELLA Reichenbachiella agariperforans (Reichenbachia agariperforans) 1 REINEKEA Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	REICHENBACHIA → REICHENBACHIELLA					
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REINEKEA Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	REICHENBACHIELLA					
Reinekea blandensis 1 Reinekea marinisedimentorum 1 RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Reichenbachiella agariperforans (Reichenbachia agariperforans)	1				
Reinekea marinisedimentorum RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris Rheinheimera baltica Rheinheimera chironomi 1	REINEKEA					
RENIBACTERIUM Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Reinekea blandensis	1				
Renibacterium salmoninarum 1 t2 RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Reinekea marinisedimentorum	1				
RHABDOCHROMATIUM Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	RENIBACTERIUM					
Rhabdochromatium marinum 1 RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	Renibacterium salmoninarum	1				t2
RHEINHEIMERA Rheinheimera aquimaris 1 Rheinheimera baltica 1 Rheinheimera chironomi 1	RHABDOCHROMATIUM					
Rheinheimera aquimaris1Rheinheimera baltica1Rheinheimera chironomi1	Rhabdochromatium marinum	1				
Rheinheimera baltica 1 Rheinheimera chironomi 1	RHEINHEIMERA					
Rheinheimera chironomi 1	*	1				
	Rheinheimera baltica	1				
Rheinheimera pacifica 1	Rheinheimera chironomi	1				
	Rheinheimera pacifica	1				

^c Because of its phytopathogenic properties this species is classified into risk group 2 according to "Liste risikobewerteter Spender- und Empfängerorganismen für genetische Arbeiten".

Genera		Diale	040114		
Species	4		group	4	Notes
Rheinheimera perlucida	1	2	3	4	
Rheinheimera texasensis	1				
Richmenicia (Caasciisis	1				
RHIZOBACTER					
Rhizobacter dauci	1				
RHIZOBIUM					
Rhizobium cellulosilyticum	1				
Rhizobium ciceri → Mesorhizobium ciceri					
Rhizobium daejeonense	1				
Rhizobium etli (Rhizobium leguminosarum biovar phaseoli Type 1)	1				
Rhizobium fredii → Ensifer fredii					
Rhizobium galegae	1				
Rhizobium gallicum	1				
Rhizobium giardinii	1				
Rhizobium hainanense	1				
Rhizobium huakuii → Mesorhizobium huakuii	4				
Rhizobium huautlense	1				
Rhizobium indigoferae	1				
Rhizobium japonicum → Bradyrhizobium japonicum	4				
Rhizobium larrymoorei (Agrobacterium larrymoorei)	1				p
Rhizobium leguminosarum	1				
Rhizobium leguminosarum biovar phaseoli Type 1 → Rhizobium etli	4				
Rhizobium loessense	1				
Rhizobium loti → Mesorhizobium loti	4				
Rhizobium lupini Rhizobium lusitanum	1 1				
	1				
Rhizobium mediterraneum → Mesorhizobium mediterraneum					
Rhizobium meliloti → Ensifer meliloti Rhizobium miluonense	1				
	1 1				
Rhizobium mongolense Rhizobium multihospitium	1				
Rhizobium phaseoli	1				
Rhizobium radiobacter	1				
(Agrobacterium radiobacter, Agrobacterium tumefaciens)	1				+, p
Rhizobium rhizogenes (Agrobacterium rhizogenes)	1				p
Rhizobium rubi (Agrobacterium rubi)	1				р
Rhizobium selenireducens	1				
Rhizobium sullae	1				
Rhizobium tianshanense → Mesorhizobium tianshanense					
Rhizobium trifolii	1				
Rhizobium tropici	1				
Rhizobium undicola (Allorhizobium undicola)	1				
Rhizobium vitis (Agrobacterium vitis)	1				p
Rhizobium yanglingense	1				
RHIZOMONAS					
Rhizomonas suberifaciens → Sphingomonas suberifaciens					
RHODANOBACTER					
Rhodanobacter fulvus	1				
Rhodanobacter ginsengisoli	1				

Genera		Risk group		
Species	1	2 3	4	Notes
Rhodanobacter lindaniclasticus	1			
Rhodanobacter spathiphylli	1			
Rhodanobacter terrae	1			
Rhodanobacter thiooxydans	1			
,				
RHODOBACA				
Rhodobaca bogoriensis	1			
DIVOD OD A CHIED				
RHODOBACTER				
Rhodobacter adriaticus → Rhodovulum adriaticum				
Rhodobacter azotoformans	1			
Rhodobacter blasticus (Rhodopseudomonas blastica)	1			
Rhodobacter capsulatus (Rhodopseudomonas capsulata)	1			
Rhodobacter changlensis	1			
Rhodobacter euryhalinus → Rhodovulum euryhalinum				
Rhodobacter maris	1			
Rhodobacter massiliensis → Haematobacter massiliensis				
Rhodobacter ovatus	1			
Rhodobacter sphaeroides (Rhodopseudomonas sphaeroides)	1			
Rhodobacter sulfidophilus → Rhodovulum sulfidophilum				
Rhodobacter veldkampii	1			
Rhodobacter vinaykumarii	1			
RHODOBIUM				
Rhodobium gokarnense	1			
Rhodobium marinum (Rhodopseudomonas marina)	1			
Rhodobium orientis	1			
Rhodobium pfennigii	1			
renouoblem premingi	1			
RHODOBLASTUS				
Rhodoblastus acidophilus (Rhodopseudomonas acidophila)	1			
Rhodoblastus sphagnicola	1			
RHODOCISTA				
Rhodocista centenaria (Rhodospirillum centenum)	1			
Rhodocista pekingensis	1			
BHODOCOCOHO				
RHODOCOCCUS	1			
Rhodococcus aetherivorans	1			
Rhodococcus aichiensis → Gordonia aichiensis				
Rhodococcus aurantiacus – synonym: Tsukamurella paurometabola	1			
Rhodococcus baikonurensis	1			
Rhodococcus bronchialis → Gordonia bronchialis				
Rhodococcus chlorophenolicus → Mycobacterium chlorophenolicum				
Rhodococcus chubuensis – synonym: Gordonia sputi				
Rhodococcus coprophilus	1			
Rhodococcus corallinus – synonym: Gordonia rubripertincta	4			
Rhodococcus corynebacterioides (Nocardia corynebacterioides)	1	2		1
Rhodococcus equi (Corynebacterium equi)		2		ht
Rhodococcus erythropolis (Arthrobacter picolinophilus, Nocardia calcarea)	1			+
Rhodococcus fascians (Corynebacterium fascians)	1			
Tarodococcus rascians (Corynebacterium rascians)	1			p

Genera		Risk	group		NT .
Species	1	2	3	4	Notes
Rhodococcus globerulus (Nocardia globerula)	1				
Rhodococcus gordoniae		2			
Rhodococcus imtechensis	1				
Rhodococcus jostii	1				
Rhodococcus koreensis	1				
Rhodococcus kroppenstedtii	1				
Rhodococcus kunmingensis	1				
Rhodococcus kyotonensis	1				
Rhodococcus luteus – synonym: Rhodococcus fascians	_				
Rhodococcus maanshanensis	1				
Rhodococcus marinonascens	1				
Rhodococcus maris → Dietzia maris					
Rhodococcus obuensis – synonym: Gordonia sputi					
Rhodococcus opacus	1				
Rhodococcus percolatus	1				
Rhodococcus phenolicus	1				
Rhodococcus pyridinivorans	1				
Rhodococcus qingshengii	1				
Rhodococcus rhodnii	1				
Rhodococcus rhodochrous	1				+
	1				'
Rhodococcus roseus → Rhodococcus rhodochrous Rhodococcus ruber	1				
	1				
Rhodococcus rubropertinctus → Gordonia rubripertincta					
Rhodococcus sputi → Gordonia sputi					
Rhodococcus terrae → Gordonia terrae					
Rhodococcus triatomae	1				
Rhodococcus tukisamuensis	1				
Rhodococcus wratislaviensis (Tsukamurella wratislaviensis)	1				
Rhodococcus yunnanensis	1				
Rhodococcus zopfii	1				
RHODOCYCLUS					
Rhodocyclus gelatinosus → Rubrivivax gelatinosus					
Rhodocyclus purpureus	1				
Rhodocyclus tenuis (Rhodospirillum tenue)	1				
RHODOFERAX					
Rhodoferax antarcticus	1				
Rhodoferax fermentans	1				
Rhodoferax ferrireducens	1				
RHODOGLOBUS					
Rhodoglobus vestalii	1				
RHODOMICROBIUM Rhodomicrobium vannielii	1				
RHODONELLUM					
Rhodonellum psychrophilum	1				
RHODOPILA Rhodopila globiformis (Rhodopseudomonas globiformis)	1				

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
DIJADADIDELLIJI A					
RHODOPIRELLULA Phodogirellyla baltica	1				
Rhodopirellula baltica	1				
RHODOPLANES					
Rhodoplanes elegans	1				
Rhodoplanes roseus (Rhodopseudomonas rosea)	1				
RHODOPSEUDOMONAS					
Rhodopseudomonas acidophila → Rhodoblastus acidophilus					
Rhodopseudomonas adriatica → Rhodovulum adriaticum					
Rhodopseudomonas blastica → Rhodobacter blasticus					
Rhodopseudomonas capsulata → Rhodobacter capsulatus					
Rhodopseudomonas faecalis	1				
Rhodopseudomonas gelatinosa → Rubrivivax gelatinosus					
Rhodopseudomonas globiformis → Rhodopila globiformis					
Rhodopseudomonas julia	1				
Rhodopseudomonas marina → Rhodobium marinum					
Rhodopseudomonas palustris	1				
Rhodopseudomonas rhenobacensis	1				
Rhodopseudomonas rosea → Rhodoplanes roseus					
Rhodopseudomonas rutila – synonym: Rhodopseudomonas palustris					
Rhodopseudomonas sphaeroides → Rhodobacter sphaeroides					
Rhodopseudomonas sulfidophila → Rhodovulum sulfidophilum					
Rhodopseudomonas sulfoviridis → Blastochloris sulfoviridis					
Rhodopseudomonas viridis → Blastochloris viridis					
RHODOSPIRA					
Rhodospira trueperi	1				
RHODOSPIRILLUM					
Rhodospirillum centenum → Rhodocista centenaria					
Rhodospirillum fulvum → Phaeospirillum fulvum					
Rhodospirillum molischianum → Phaeospirillum molischianum					
Rhodospirillum photometricum	1				
Rhodospirillum rubrum	1				
Rhodospirillum salexigens → Rhodothalassium salexigens					
Rhodospirillum salinarum → Rhodovibrio salinarum					
Rhodospirillum sodomense → Rhodovibrio sodomensis					
Rhodospirillum tenue → Rhodocyclus tenuis					
RHODOTHALASSIUM					
Rhodothalassium salexigens (Rhodospirillum salexigens)	1				
RHODOTHERMUS Phodothormus marinus	1				
Rhodothermus obameneis synonym; Rhodothermus merinus	1				
Rhodothermus obamensis – synonym: Rhodothermus marinus					
RHODOVARIUS					
Rhodovarius lipocyclicus	1				

Genera Species		Risk		Notes	
		2	3	4	Note
RHODOVIBRIO					
Rhodovibrio salinarum (Rhodospirillum salinarum)	1				
Rhodovibrio sodomensis (Rhodospirillum sodomense)	1				
RHODOVULUM					
Rhodovulum adriaticum					
(Rhodopseudomonas adriatica, Rhodobacter adriaticus)	1				
Rhodovulum euryhalinum (Rhodobacter euryhalinus)	1				
Rhodovulum imhoffii	1				
Rhodovulum iodosum	1				
Rhodovulum kholense	1				
Rhodovulum marinum	1				
Rhodovulum robiginosum	1				
Rhodovulum strictum	1				
Rhodovulum sulfidophilum					
(Rhodopseudomonas sulfidophila, Rhodobacter sulfidophilus)	1				
Rhodovulum visakhapatnamense	1				
RICKETTSIA					
Rickettsia aeschlimannii		2			Z
Rickettsia africae			3		Z
Rickettsia akari			3(**)		\mathbf{Z}
Rickettsia australis			3		Z
Rickettsia bellii		2^{G}			t
Rickettsia canadensis			3(**)		n
Rickettsia conorii			3		Z
Rickettsia felis		2			Z
Rickettsia heilongjiangensis			3(**)		Z
Rickettsia helvetica		2	()		Z
Rickettsia honei		2			Z
Rickettsia japonica			3		Z
Rickettsia massiliae	1				+
Rickettsia montanensis			3(**)		t
Rickettsia parkeri		2	-()		Z
Rickettsia peacockii	1	_			_
Rickettsia prowazekii	_		3		Z
Rickettsia rhipicephali		2	· ·		t
Rickettsia rickettsii		_	3		\mathbf{z}
Rickettsia sennetsu → Neorickettsia sennetsu					_
Rickettsia seinietsu → Neorickettsia seinietsu			3		Z
Rickettsia slovaca		2	3		Z
		4			L
Rickettsia tsutsugamushi → Orientia tsutsugamushi Rickettsia typhi			3		Z
RICKETTSIELLA					
Rickettsiella chironomi	1				n
Rickettsiella grylli	1				n
•	1				n
Rickettsiella popilliae					

RIEMERELLA

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		_	NT - 4		
Species	1	2	group 3	4	Notes
Riemerella anatipestifer (Moraxella anatipestifer)		2			t
Riemerella columbina		2			t
RIKENELLA					
Rikenella microfusus (Bacteroides microfusus)	1				
ROBIGINITALEA					
Robiginitalea biformata	1				
Robiginitalea myxolifaciens	1				
ROBIGINITOMACULUM					
Robiginitomaculum antarcticum	1				
$ROCHALIMAEA \rightarrow BARTONELLA$					
Rochalimaea elizabethae → Bartonella elizabethae					
Rochalimaea henselae → Bartonella henselae					
Rochalimaea quintana → Bartonella quintana					
Rochalimaea vinsonii → Bartonella vinsonii subsp. vinsonii					
ROSEATELES					
Roseateles aquatilis	1				
Roseateles depolymerans	1				
Roseateles terrae	1				
ROSEBURIA					
Roseburia cecicola	1				
Roseburia faecis	1				
Roseburia hominis	1				
Roseburia intestinalis Roseburia inulinivorans	1 1				
	1				
ROSEIBACILLUS					
Roseibacillus ishigakijimensis	1				
Roseibacillus persicicus	1				
Roseibacillus ponti	1				
ROSEIBACTERIUM Rose iboration also actions	1				
Roseibacterium elongatum	1				
ROSEIBIUM					
Roseibium denhamense	1				
Roseibium hamelinense	1				
ROSEICYCLUS	_				
Roseicyclus mahoneyensis	1				
ROSEIFLEXUS					
Roseiflexus castenholzii	1				
ROSEINATRONOBACTER					
Roseinatronobacter thiooxidans	1				

ROSEISALINUS

Genera		Risk gr	roup		N T .
Species	1	2	3	4	Notes
Roseisalinus antarcticus	1				
ROSEIVIRGA					
Roseivirga echinicomitans	1				
Roseivirga ehrenbergii	1				
Roseivirga seohaensis (Marinicola seohaensis) – synonym:					
Roseivirga ehrenbergii					
Roseivirga spongicola	1				
ROSEIVIVAX					
Roseivivax halodurans	1				
Roseivivax halotolerans	1				
ROSEOBACTER					
Roseobacter algicola → Marinovum algicola					
Roseobacter denitrificans	1				
Roseobacter gallaeciensis → Phaeobacter gallaeciensis					
Roseobacter litoralis	1				
ROSEOCOCCUS					
Roseococcus thiosulfatophilus	1				
ROSEOMONAS					
Roseomonas aerilata	1				
Roseomonas aquatica	1				
Roseomonas cervicalis		2			
Roseomonas fauriae		2			
Roseomonas gilardii subsp. gilardii		2			
Roseomonas gilardii subsp. rosea		2			
Roseomonas lacus	1				
Roseomonas mucosa		2			
Roseomonas terrae	1				
ROSEOSPIRA					
Roseospira goensis	1				
Roseospira marina	1				
Roseospira mediosalina ("Rhodospirillum mediosalinum")	1				
Roseospira navarrensis	1				
Roseospira thiosulfatophila	1				
Roseospira visakhapatnamensis	1				
ROSEOSPIRILLUM					
Roseospirillum parvum	1				
ROSEOVARIUS					
Roseovarius aestuarii	1				
Roseovarius crassostreae	1				n2
Roseovarius mucosus	1				
Roseovarius nubinhibens	1				
Roseovarius tolerans	1				
ROTHIA					
Rothia aeria	1				+

Genera		Risk	group		NT ·
Species	1	2	3	4	Notes
Rothia amarae	1				
Rothia dentocariosa		2			
Rothia mucilaginosa (Stomatococcus mucilaginosus)		2			
Rothia nasimurium	1				
Rothia terrae	1				
RUANIA					
Ruania albidiflava	1				
RUBELLIMICROBIUM					
Rubellimicrobium thermophilum	1				
RUBRIMONAS					
Rubrimonas cliftonensis	1				
RUBRITALEA					
Rubritalea marina	1				
Rubritalea sabuli	1				
Rubritalea spongiae	1				
Rubritalea squalenifaciens	1				
Rubritalea tangerina	1				
RUBRITEPIDA					
Rubritepida flocculans	1				
DUDDINAN					
RUBRIVIVAX	1				
Rubrivivax benzoatilyticus	1				
Rubrivivax gelatinosus (Rhodopseudomonas gelatinosa, Rhodocyclus gelatinosus)	1				
RUBROBACTER					
Rubrobacter radiotolerans (Arthrobacter radiotolerans)	1				
Rubrobacter taiwanensis	1				
Rubrobacter xylanophilus	1				
, .	1				
RUDANELLA Rudanella lutea	1				
Kudanena iutea	1				
RUEGERIA					
Ruegeria algicola → Marinovum algicola					
Ruegeria atlantica (Agrobacterium atlanticum)	1				
Ruegeria gelatinovorans (Agrobacterium gelatinovorum) → Thalassobius gelatinovorus					
Ruegeria lacuscaerulensis (Silicibacter lacuscaerulensis)	1				
Ruegeria mobilis	1				
Ruegeria pelagia	1				
Ruegeria pomeroyi (Silicibacter pomeroyi)	1				
RUGAMONAS					
Rugamonas rubra	1				
RUMINOBACTER					
Ruminobacter amylophilus (Bacteroides amylophilus)	1				
Talling Sactor all proprints (Sactorides all proprints)	1				

Genera		Risk group		Notes
Species	1	2 3	4	Notes
RUMINOCOCCUS				
Ruminococcus albus	1			
Ruminococcus bromii	1			
Ruminococcus callidus	1			
Ruminococcus flavefaciens	1			
Ruminococcus gauvreauii	1			
Ruminococcus gnavus	1			
Ruminococcus hansenii (Streptococcus hansenii)	1			
Ruminococcus hydrogenotrophicus	1			
Ruminococcus lactaris	1			
Ruminococcus luti	1			
Ruminococcus obeum	1			
Ruminococcus palustris → Trichococcus palustris				
Ruminococcus pasteurii → Lactosphaera pasteurii				
Ruminococcus productus (Peptostreptococcus productus)	1			
Ruminococcus schinkii	1			
Ruminococcus torquens	1			
	-			
RUNELLA				
Runella defluvii	1			
Runella limosa	1			
Runella slithyformis	1			
Runella zeae	1			
SACCHARIBACTER				
Saccharibacter floricola	1			
SACCHAROBACTER				
Saccharobacter fermentatus	1			
	-			
SACCHAROCOCCUS				
Saccharococcus caldoxylosilyticus → Geobacillus caldoxylosilyticus				
Saccharococcus thermophilus	1			
AL GOVERNO VOCEDO DE				
SACCHAROMONOSPORA	4			
Saccharomonospora azurea	1			
Saccharomonospora cyanea	1			
Saccharomonospora glauca	1			
Saccharomonospora halophila	1			
Saccharomonospora paurometabolica	1			
Saccharomonospora saliphila	1			1
Saccharomonospora viridis	1 1			+
Saccharomonospora xinjiangensis	1			
SACCHAROPHAGUS				
Saccharophagus degradans	1			
SACCHADODOI VSDODA				
SACCHAROPOLYSPORA Saccharan alvanous antimicrobian	1			
Saccharopolyspora antimicrobica	1			
Saccharopolyspora ceputarios (Strentomyces oruthropy)	1			
Saccharopolyspora erythraea (Streptomyces erythraeus)	1			
Saccharopolyspora gregorii	1 1			
засснагорогуврога gregorii	1			

Genera		Riek group		
Species	1	Risk group 2 3	4	Notes
Saccharopolyspora hirsuta subsp. hirsuta	1 1	2 3	4	
Saccharopolyspora hirsuta subsp. hirsuta Saccharopolyspora hirsuta subsp. kobensis	1			
Saccharopolyspora hirsuta subsp. taberi → Saccharopolyspora taberi	1			
Saccharopolyspora hordei	1			
Saccharopolyspora rectivirgula	1			
(Micropolyspora rectivirgula, Faenia rectivirgula)	1			+
Saccharopolyspora shandongensis	1			
Saccharopolyspora spinosa	1			
Saccharopolyspora spinosporotrichia	1			
Saccharopolyspora taberi (Saccharopolyspora hirsuta subsp. taberi)	1			
Saccharopolyspora thermophila	1			
SACCHAROSPIRILLUM				
Saccharospirillum impatiens	1			
SACCHAROTHRIX				
Saccharothrix aerocolonigenes subsp. aerocolonigenes				
→ Lechevalieria aerocolonigenes subsp. aerocolonigenes				
Saccharothrix aerocolonigenes subsp. staurosporea → Lentzea albida				
Saccharothrix albidocapillata → Lentzea albidocapillata				
Saccharothrix algeriensis	1			
Saccharothrix australiensis	1			
Saccharothrix coeruleofusca				
(Actinomadura coeruleofusca, Nocardiopsis coeruleofusca)	1			
Saccharothrix coeruleoviolacea → Goodfellowiella coeruleoviolacea				
Saccharothrix cryophilis → Crossiella cryophila				
Saccharothrix espanaensis	1			
Saccharothrix flava → Lechevalieria flava				
Saccharothrix longispora				
(Actinomadura longispora, Nocardiopsis longispora)	1			
Saccharothrix mutabilis (Nocardiopsis mutabilis)				
→ Saccharothrix mutabilis subsp. mutabilis				
Saccharothrix mutabilis subsp. capreolus	1			
Saccharothrix mutabilis subsp. mutabilis	1			
(Nocardiopsis mutabilis, Saccharothrix mutabilis)	1 1			
Saccharothrix syringae (Nocardiopsis syringae)	1			
Saccharothrix tangerinus → Umezawaea tangerina Saccharothrix texasensis	1			
	1			
Saccharothrix violacea → Lentzea violacea				
Saccharothrix waywayandensis → Lentzea waywayandensis	4			
Saccharothrix xinjiangensis	1			
SAGITTULA				
Sagittula stellata	1			
SALANA				
Salana multivorans	1			
SALEGENTIBACTER				
Salegentibacter agarivorans	1			
Salegentibacter catena → Salinimicrobium catena				
Salegentibacter flavus	1			

Genera		Risk g	group		T . T
Species	1	2	3	4	Notes
Salegentibacter holothuriorum	1				
Salegentibacter mishustinae	1				
Salegentibacter salarius	1				
Salegentibacter salegens (Flavobacterium salegens)	1				
Salegentibacter salinarum	1				
omegonus de communicación de composition de composi	-				
SALIBACILLUS → VIRGIBACILLUS					
Salibacillus marismortui → Virgibacillus marismortui					
Salibacillus salexigens → Virgibacillus salexigens					
SALICOLA					
Salicola marasensis	1				
Salicola salis	1				
Sancoia sans	1				
SALIMICROBIUM					
Salimicrobium album (Marinococcus albus)	1				
Salimicrobium halophilum (Bacillus halophilus)	1				
Salimicrobium luteum	1				
SALINIBACILLUS					
Salinibacillus aidingensis	1				
Salinibacillus kushneri	1				
Saminbacinus Rusinicii	1				
SALINIBACTER					
Salinibacter ruber	1				
SALINIBACTERIUM					
Salinibacterium amurskyense	1				
SALINICOCCUS					
Salinicoccus alkaliphilus	1				
Salinicoccus halodurans	1				
Salinicoccus hispanicus (Marinococcus hispanicus)	1				
Salinicoccus iranensis	1				
Salinicoccus jeotgali	1				
Salinicoccus kunmingensis	1				
Salinicoccus luteus	1				
Salinicoccus roseus	1				
Salinicoccus salsiraiae	1				
Salinicoccus siamensis	1				
SALINIMICROBIUM					
Salinimicrobium catena (Salegentibacter catena)	1				
Salinimicrobium xinjiangense	1				
SALINIMONAS					
Salinimonas chungwhensis	1				
	-				
SALINISPHAERA					
Salinisphaera shabanensis	1				
SALINISPORA					
Salinispora arenicola	1				
Calling Data atomicola	1				

Genera		Risk	group		
Species	1	2	3	4	Notes
Salinispora tropica	1				
SALINIVIBRIO					
Salinivibrio costicola subsp. alcaliphilus	1				
Salinivibrio costicola subsp. costicola (Vibrio costicola)	1				
Salinivibrio costicola subsp. vallismortis	1				
Salinivibrio proteolyticus	1				
SALIPIGER					
Salipiger mucosus	1				
SALIRHABDUS					
Salirhabdus euzebyi	1				
SALMONELLA ^d					
Salmonella arizonae					
→ Salmonella enterica (choleraesuis) subsp. arizonae					
Salmonella bongori (Salmonella enterica subsp. bongori)		2			Z
Salmonella enterica (choleraesuis) subsp. arizonae					
(Salmonella arizonae)		2			Z
Salmonella enterica (choleraesuis) subsp. bongori $ ightarrow$ Salmonella bongori					
Salmonella enterica (choleraesuis) subsp. diarizonae		2			Z
Salmonella enterica (choleraesuis) subsp. enterica		2			Z^{e}
alle Serovarietäten der Subspezies enterica, z.B. Salmonella Paratyphi A, B, C, Salmonella Enteritidis, Salmonella Typhimurium, sind in Risikogruppe 2 eingestuft, außer Salmonella Typhi					
Salmonella enterica (choleraesuis) subsp. houtenae		2			Z
Salmonella enterica (choleraesuis) subsp. indica		2			Z
Salmonella enterica (choleraesuis) subsp. salamae		2			Z
Salmonella subterranea	1				
Salmonella Typhi			3(**)		\mathbf{v}
SALSUGINIBACILLUS					
Salsuginibacillus kocurii	1				
SAMSONIA					
Samsonia erythrinae	1				p
SANDARACINOBACTER					
Sandaracinobacter sibiricus	1				
SANDARAKINORHABDUS					
Sandarakinorhabdus limnophila	1				
SANDARAKINOTALEA					
Sandarakinotalea sediminis	1				
SANGUIBACTER					
Sanguibacter antarcticus	1				
Sanguibacter inulinus	1				t+

^d Nomenklatur nach: Popoff, M. Y., Le Minor, L., Antigenic formulas of the *Salmonella* serovars, 7th revision, WHO Collaborating Centre for Reference and Research on *Salmonella*, Institut Pasteur, Paris (1997).

^e Außer *Salmonella* Typhi und *Salmonella* Paratyphi A, B, C.

Genera		Risk g	oroun		
Species	1	2	3	4	Notes
Sanguibacter keddieii	1			•	t+
Sanguibacter marinus	1				
Sanguibacter suarezii	1				t+
SAPROSPIRA					
Saprospira grandis	1				
SARCINA					
Sarcina maxima	1				
Sarcina ventriculi	1				
$SARCOBIUM \rightarrow LEGIONELLA$					
Sarcobium lyticum → Legionella lytica					
SAXEIBACTER					
Saxeibacter lacteus	1				
SCARDOVIA					
Scardovia inopinata (Bifidobacterium inopinatum)	1				+
SCHINERIA → IGNATZSCHINERIA					
Schineria larvae → Ignatzschineria larvae					
SCHLEGELELLA					
Schlegelella aquatica	1				
Schlegelella thermodepolymerans	1				
SCHLESNERIA					
Schlesneria paludicola	1				
SCHWARTZIA					
Schwartzia succinivorans	1				
SEBALDELLA					
Sebaldella termitidis (Bacteroides termitidis)	1				
SEDIMENTIBACTER					
Sedimentibacter hydroxybenzoicus (Clostridium hydroxybenzoicum)	1				
Sedimentibacter saalensis	1				
SEDIMENTICOLA					
Sedimenticola selenatireducens	1				
SEDIMINIBACTER					
Sediminibacter furfurosus	1				
SEDIMINICOLA					
Sediminicola luteus	1				
SEDIMINITOMIX					
Sediminitomix flava	1				
SEGETIBACTER					
Segetibacter koreensis	1				

Genera		Risk g	oroun		
Species	1	2	3	4	Notes
<u></u>					
SEGNILIPARUS					
Segniliparus rotundus	1				+
Segniliparus rugosus	1				+
SEINONELLA					
Seinonella peptonophila (Thermoactinomyces peptonophilus)	1				
SEJONGIA					
Sejongia antarctica	1				
Sejongia jeonii	1				
Sejongia marina	1				
SELENIHALANAEROBACTER					
Selenihalanaerobacter shriftii	1				
SELENOMONAS					
Selenomonas acidaminovorans → Thermanaerovibrio acidaminovorans					
Selenomonas artemidis		2			
Selenomonas dianae		2			
Selenomonas flueggei		2			
Selenomonas infelix		2			
Selenomonas lacticifex	1	2			
	1				
Selenomonas lipolytica Selenomonas noxia	1	2			
	1	4			
Selenomonas ruminantium subsp. lactilytica	1				
Selenomonas ruminantium subsp. ruminantium Selenomonas sputigena	1				+
ocienomonas spungena	1				'
SELIBERIA					
Seliberia stellata	1				
SERINICOCCUS					
Serinicoccus marinus	1				
SERPENS					
Serpens flexibilis	1				
Serpens nexions	1				
$SERPULA \rightarrow BRACHYSPIRA$					
Serpula hyodysenteriae → Brachyspira hyodysenteriae					
Serpula innocens → Brachyspira innocens					
SERPULINA → BRACHYSPIRA					
Serpulina hyodysenteriae → Brachyspira hyodysenteriae					
Serpulina innocens → Brachyspira innocens					
Serpulina intermedia → Brachyspira intermedia					
Serpulina murdochii → Brachyspira murdochii					
Serpulina pilosicoli → Brachyspira pilosicoli					
SERRATIA					
Serratia entomophila	1				n
Serratia ficaria	1				

Genera		Risk group			Notes
Species	1	2	3	4	Notes
Serratia fonticola	1				
Serratia grimesii		2			
Serratia liquefaciens – synonym: Serratia proteamaculans					
Serratia marcescens subsp. marcescens		2			ht
Serratia marcescens subsp. sakuensis		2			
Serratia marinorubra – synonym: Serratia rubidaea					
Serratia odorifera	1				+
Serratia plymuthica	1				+
Serratia proteamaculans					
(Serratia proteamaculans subsp. proteamaculans)		2			n
Serratia proteamaculans subsp. proteamaculans					
→ Serratia proteamaculans					
Serratia proteamaculans subsp. quinovora → Serratia quinivorans					
Serratia quinivorans (Serratia proteamaculans subsp. quinovora)	1				+
Serratia rubidaea	1	2			n
Serratia ureilytica	1	_			11
ocitatia dicitytica	1				
SHEWANELLA					
Shewanella abyssi	1				
Shewanella affinis – synonym: Shewanella colwelliana					
Shewanella algae		2			
Shewanella algidipiscicola	1	_			
Shewanella amazonensis	1				
Shewanella aquimarina	1				
Shewanella atlantica	1				
Shewanella baltica	1				
Shewanella benthica	1				
Shewanella canadensis	1				
Shewanella colwelliana (Alteromonas colwelliana)	1				
Shewanella decolorationis	1				
Shewanella denitrificans	1				
	1				
Shewanella donghaensis Shewanella fidelis					
	1				
Shewanella frigidimarina	1				
Shewanella gaetbuli	1				
Shewanella gelidimarina	1				
Shewanella glacialipiscicola	1				
Shewanella hafniensis	1				
Shewanella halifaxensis	1				
Shewanella haliotis	1				
Shewanella hanedai (Alteromonas hanedai)	1				
Shewanella irciniae	1				
Shewanella japonica	1				
Shewanella kaireitica	1				
Shewanella livingstonensis	1				
Shewanella loihica	1				
Shewanella marinintestina	1				
Shewanella marisflavi	1				
Shewanella morhuae	1				
Shewanella olleyana	1				
Shewanella oneidensis	1				+
Shewanella pacifica	1				

Genera		Risk	group	NI a + a -	
Species	1	2	3	4	Notes
Shewanella pealeana	1				
Shewanella piezotolerans	1				
Shewanella pneumatophori	1				
Shewanella profunda	1				
Shewanella psychrophila	1				
Shewanella putrefaciens (Alteromonas putrefaciens)	1				+
Shewanella sairae	1				
Shewanella schlegeliana	1				
Shewanella sediminis	1				
Shewanella spongiae	1				
Shewanella surugensis	1				
Shewanella violacea	1				
Shewanella waksmanii	1				
Shewanella woodyi	1				
SHIGELLA					
Shigella boydii		2			
Shigella dysenteriae (außer Typ I = Serovar 1)		2			
Shigella dysenteriae (Typ I = Serovar 1)			3(**)		T
Shigella flexneri		2	` ,		ht
Shigella sonnei		2			ht
SHIMAZUELLA					
Shimazuella kribbensis	1				
SHIMIA					
Shimia marina	1				
SHINELLA					
Shinella granuli	1				
Shinella kummerowiae	1				
Shinella zoogloeoides	1				
SHUTTLEWORTHIA					
Shuttleworthia satelles		2			
SILANIMONAS					
Silanimonas lenta	1				
SILICIBACTER → RUEGERIA					
Silicibacter lacuscaerulensis → Ruegeria lacuscaerulensis					
Silicibacter pomeroyi → Ruegeria pomeroyi					
SILVIMONAS	4				
Silvimonas terrae	1				
SIMIDUIA					
Simiduia agarivorans	1				
SIMKANIA					
Simkania negevensis		2			
OLMONICITY I A					

SIMONSIELLA

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Simonsiella crassa → Alysiella crassa					
Simonsiella muelleri	1				
Simonsiella steedae → Conchiformibius steedae					
SIMPLICISPIRA					
Simplicispira limi	1				
Simplicispira metamorpha (Aquaspirillum metamorphum)	1				
Simplicispira psychrophila (Aquaspirillum psychrophilum)	1				
SINGULISPHAERA					
Singulisphaera acidiphila	1				
SINOBACA					
Sinobaca qinghaiensis (Sinococcus qinghaiensis)	1				
SINOBACTER					
Sinobacter flavus	1				
SINOCOCCUS → SINOBACA					
Sinococcus qinghaiensis → Sinobaca qinghaiensis					
SINORHIZOBIUM					
Sinorhizobium americanum	1				
Sinorhizobium arboris → Ensifer arboris					
Sinorhizobium fredii (Rhizobium fredii) → Ensifer fredii					
Sinorhizobium kostiense → Ensifer kostiensis					
Sinorhizobium kummerowiae → Ensifer kummerowiae					
Sinorhizobium medicae → Ensifer medicae					
Sinorhizobium meliloti (Rhizobium meliloti) → Ensifer meliloti					
Sinorhizobium morelense – synonym: Ensifer adhaerens					
Sinorhizobium saheli → Ensifer saheli					
Sinorhizobium terangae → Ensifer terangae					
Sinorhizobium xinjiangense → Ensifer xinjiangensis					
SKERMANELLA					
Skermanella aerolata	1				
Skermanella parooensis					
(Conglomeromonas largomobilis subsp. parooensis)	1				
SKERMANIA					
Skermania piniformis (Nocardia pinensis)	1				
SLACKIA					
Slackia exigua (Eubacterium exiguum)		2			
Slackia faecicanis	1				
Slackia heliotrinireducens (Peptococcus heliotrinreducens, Peptostreptococcus heliotrinreducens)	1				+
SMARAGDICOCCUS					
Smaragdicoccus niigatensis	1				
omaraguicoccus migaiciisis	1				

+
+
+
+

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Sphingobacterium thalpophilum (Flavobacterium thalpophilum)		2			
SPHINGOBIUM – synonym: SPHINGOMONAS					
Sphingobium amiense	1				
Sphingobium aromaticiconvertens	1				
Sphingobium chlorophenolicum (Sphingomonas chlorophenolica)					
– synonym: Sphingomonas chlorophenolica					
Sphingobium chungbukense (Sphingomonas chungbukensis)	1				
Sphingobium cloacae (Sphingomonas cloacae)	1				
Sphingobium francense	1				
Sphingobium fuliginis	1				
Sphingobium herbicidovorans (Sphingomonas herbicidovorans) – synonym: Sphingomonas herbicidovorans					
Sphingobium indicum	1				
Sphingobium japonicum	1				
Sphingobium olei	1				
Sphingobium xenophagum (Sphingomonas xenophaga)	1				
Sphingobium yanoikuyae (Sphingomonas yanoikuyae) – synonym:					
Sphingomonas yanoikuyae					
SPHINGOMONAS					
Sphingomonas abaci	1				
Sphingomonas adhaesiva	1				
Sphingomonas aerolata	1				
Sphingomonas alaskensis → Sphingopyxis alaskensis					
Sphingomonas aquatilis	1				
Sphingomonas aromaticivorans	1				
Sphingomonas asaccharolytica	1				
Sphingomonas aurantiaca	1				
Sphingomonas azotifigens	1				
Sphingomonas capsulata	1				
Sphingomonas chlorophenolica	1				
Sphingomonas chungbukensis → Sphingobium chungbukense					
Sphingomonas cloacae → Sphingobium cloacae					
Sphingomonas desiccabilis	1				
Sphingomonas dokdonensis	1				
Sphingomonas echinoides (Pseudomonas echinoides)	1				
Sphingomonas faeni	1				
Sphingomonas fennica	1				
Sphingomonas haloaromaticamans	1				
Sphingomonas herbicidovorans	1				
Sphingomonas insulae	1				
Sphingomonas jaspsi	1				
Sphingomonas kaistensis	1				
Sphingomonas koreensis	1				
Sphingomonas macrogolitabida	1				
Sphingomonas mali	1				
Sphingomonas melonis	1				p
Sphingomonas molluscorum	1				
Sphingomonas mucosissima	1				
Sphingomonas natatoria → Blastomonas natatoria					
Sphingomonas oligophenolica	1				
Sphingomonas oligophenolica	1				

Genera		Risk	group		% T :
Species	1	2	3	4	Notes
Sphingomonas panni	1	_		<u> </u>	
Sphingomonas parapaucimobilis		2			
Sphingomonas paucimobilis (Pseudomonas paucimobilis)		2			
Sphingomonas phyllosphaerae	1				
Sphingomonas pituitosa	1				
Sphingomonas pruni	1				
Sphingomonas pseudosanguinis	1				
Sphingomonas rosa	1				
Sphingomonas roseiflava	1				
Sphingomonas sanguinis	1				+
Sphingomonas soli	1				
Sphingomonas stygia	1				
Sphingomonas subarctica – synonym: Flavobacterium resinovorum					
→ Novosphingobium resinovorum					
Sphingomonas suberifaciens (Rhizomonas suberifaciens)	1				p
Sphingomonas subterranea	1				Γ
Sphingomonas taejonensis → Sphingopyxis taejonensis	-				
Sphingomonas tarjonensis — Sphingopyxis tacjonensis	1				
Sphingomonas trueperi	1				
Sphingomonas ursincola	1				
Sphingomonas wittichii	1				
• •	1				
Sphingomonas xenophaga → Sphingobium xenophagum	1				
Sphingomonas yabuuchiae	1				
Sphingomonas yanoikuyae	1				+
Sphingomonas yunnanensis	1				
SPHINGOPYXIS					
Sphingopyxis alaskensis (Sphingomonas alaskensis)	1				
Sphingopyxis baekryungensis	1				
Sphingopyxis chilensis	1				
Sphingopyxis flavimaris	1				
Sphingopyxis macrogoltabida (Sphingomonas macrogoltabidus)					
– synonym: Sphingomonas macrogolitabida					
Sphingopyxis taejonensis (Sphingomonas taejonensis)	1				
Sphingopyxis terrae (Sphingomonas terrae) – synonym:					
Sphingomonas terrae					
Sphingopyxis witflariensis	1				
SPHINGOSINICELLA					
Sphingosinicella microcystinivorans	1				
Sphingosinicella soli	1				
Sphingosinicella xenopeptidilytica	1				
SPIRILLIPLANES					
Spirilliplanes yamanashiensis	1				
1 1	=				
SPIRILLOSPORA					
Spirillospora albida	1				
Spirillospora rubra	1				
SPIRILLUM					
Spirillum volutans	1				

Genera		Risk group			Notes
Species	1	2	3	4	rotes
SPIROCHAETA					
Spirochaeta africana	1				
Spirochaeta alkalica	1				
Spirochaeta americana	1				
Spirochaeta asiatica	1				
Spirochaeta aurantia subsp. aurantia	1				
Spirochaeta aurantia subsp. stricta	1				
Spirochaeta bajacaliforniensis	1				
Spirochaeta caldaria	1				
Spirochaeta coccoides	1				
Spirochaeta halophila	1				
Spirochaeta isovalerica	1				
Spirochaeta litoralis	1				
Spirochaeta plicatilis	1				
	1				
Spirochaeta smaragdinae					
Spirochaeta stenostrepta	1				
Spirochaeta thermophila	1				
Spirochaeta zuelzerae	1				
SPIROPLASMA					
Spiroplasma alleghenense	1				
Spiroplasma apis	1				n
Spiroplasma atrichopogonis	1				
Spiroplasma cantharicola	1				
Spiroplasma chinense	1				
Spiroplasma chrysopicola	1				
Spiroplasma citri	1				р
Spiroplasma clarkii	1				1
Spiroplasma corruscae	1				
Spiroplasma culicicola	1				
Spiroplasma diabroticae	1				
Spiroplasma diminutum	1				
Spiroplasma floricola	1				
Spiroplasma gladiatoris	1				
Spiroplasma helicoides	1				
Spiroplasma insolitum	1				
Spiroplasma ixodetis	1				
Spiroplasma kunkelii	1				0
Spiroplasma lampyridicola	1				p
Spiroplasma leptinotarsae	1				
Spiroplasma leucomae	1				
	1				n
Spiroplasma lineolae					
Spiroplasma litorale	1				
Spiroplasma melliferum	1	0			n
Spiroplasma mirum	4	2			t
Spiroplasma monobiae	1				
Spiroplasma montanense	1				-
Spiroplasma penaei	1				n2
Spiroplasma phoeniceum	1				p
Spiroplasma platyhelix	1				
Spiroplasma poulsonii	1				n
Spiroplasma sabaudiense	1				

Genera		Risk group		
Species	1	2 3	4	Notes
Spiroplasma syrphidicola	1	2 3	- 4	
Spiroplasma tabanidicola	1			
Spiroplasma taiwanense	1			
Spiroplasma turonicum	1			
Spiroplasma velocicrescens	1			
opropiasina veroeleteseens	•			
SPIROSOMA				
Spirosoma linquale	1			
Spirosoma rigui	1			
SPONGIIBACTER				
Spongiibacter marinus	1			
SPORACETIGENIUM				
Sporacetigenium mesophilum	1			
SPORANAEROBACTER				
Sporanaerobacter acetigenes	1			
SPORICHTHYA				
Sporichthya brevicatena	1			
Sporichthya polymorpha	1			
SPOROBACTER				
Sporobacter termitidis	1			
SPOROBACTERIUM				
Sporobacterium olearium	1			
SPOROCYTOPHAGA				
Sporocytophaga myxococcoides	1			
Sporocytophiaga myxococcoldes	1			
SPOROHALOBACTER				
Sporohalobacter lortetii (Clostridium lortetii)	1			
Sporohalobacter marismortui → Orenia marismortui				
SPOROLACTOBACILLUS				
Sporolactobacillus inulinus	1			
Sporolactobacillus kofuensis	1			
Sporolactobacillus lactosus	1			
Sporolactobacillus laevolacticus (Bacillus laevolacticus)	1			
Sporolactobacillus nakayamae subsp. nakayamae	1			
Sporolactobacillus nakayamae subsp. racemicus	1			
Sporolactobacillus terrae	1			
SPOROMUSA				
Sporomusa acidovorans	1			
Sporomusa aerivorans	1			
Sporomusa malonica	1			
Sporomusa ovata	1			
4				
Sporomusa paucivorans	1			
Sporomusa paucivorans Sporomusa rhizae	1 1			

Genera		Risk gr	oup		Matas
Species	1	2	3	4	Notes
Sporomusa sphaeroides	1				
Sporomusa termitida	1				
SPOROSARCINA					
Sporosarcina aquimarina	1				
Sporosarcina globispora (Bacillus globisporus)	1				
Sporosarcina halophila → Halobacillus halophilus					
Sporosarcina koreensis	1				
Sporosarcina macmurdoenis	1				
Sporosarcina pasteurii (Bacillus pasteurii)	1				
Sporosarcina psychrophila (Bacillus psychrophilus)	1				
Sporosarcina saromensis	1				
Sporosarcina soli	1				
Sporosarcina ureae	1				
SPOROTALEA					
Sporotalea propionica	1				
SPOROTOMACULUM					
Sporotomaculum hydroxybenzoicum	1				
Sporotomaculum syntrophicum	1				
STACKEBRANDTIA					
Stackebrandtia nassauensis	1				
CTALEVA CULTITODACTED					
STALEYA → SULFITOBACTER					
Staleya guttiformis → Sulfitobacter guttiformis					
$STANIERELLA \rightarrow AQUIMARINA$					
Stanierella latercula (Cytophaga latercula) → Aquimarina latercula					
STAPHYLOCOCCUS					
Staphylococcus arlettae	1				
Staphylococcus aureus subsp. anaerobius		2			ht
Staphylococcus aureus subsp. aureus		2			ht
0. 1 1 ' 1 '					
Staphylococcus auricularis	1				
	1 1				+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus					++
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus	1	2			
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae	1	2			+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus	1	2			+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis	1 1	2			+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes	1 1	2			+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus hyicus subsp. chromogenes)	1 1	2			+
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus hyicus subsp. chromogenes) Staphylococcus cohnii subsp. cohnii	1 1				+ ht
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus hyicus subsp. chromogenes) Staphylococcus cohnii subsp. cohnii Staphylococcus cohnii subsp. urealyticum	1 1 1				+ ht
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus chromogenes) Staphylococcus cohnii subsp. chromogenes) Staphylococcus cohnii subsp. urealyticum Staphylococcus condimenti	1 1 1 1				+ ht
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus chromogenes) Staphylococcus cohnii subsp. cohnii Staphylococcus cohnii subsp. urealyticum Staphylococcus condimenti Staphylococcus delphini	1 1 1 1				+ ht t + +
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus chromogenes) Staphylococcus cohnii subsp. chromogenes) Staphylococcus cohnii subsp. urealyticum Staphylococcus condimenti Staphylococcus delphini Staphylococcus epidermidis	1 1 1 1 1				+ ht
Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus chromogenes (Staphylococcus hyicus subsp. chromogenes) Staphylococcus cohnii subsp. cohnii Staphylococcus cohnii subsp. urealyticum Staphylococcus condimenti Staphylococcus delphini Staphylococcus epidermidis Staphylococcus equorum subsp. equorum	1 1 1 1 1	2			+ ht
Staphylococcus auricularis Staphylococcus capitis subsp. capitis Staphylococcus capitis subsp. ureolyticus Staphylococcus caprae Staphylococcus carnosus subsp. carnosus Staphylococcus carnosus subsp. utilis Staphylococcus caseolyticus → Macrococcus caseolyticus Staphylococcus chromogenes (Staphylococcus chromogenes (Staphylococcus hyicus subsp. chromogenes) Staphylococcus cohnii subsp. urealyticum Staphylococcus condimenti Staphylococcus delphini Staphylococcus epidermidis Staphylococcus equorum subsp. equorum Staphylococcus equorum subsp. linens Staphylococcus felis	1 1 1 1 1 1 1	2			+ ht

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Staphylococcus fleurettii	1				
Staphylococcus gallinarum	1				
Staphylococcus haemolyticus		2			ht
Staphylococcus hominis subsp. hominis		2			
Staphylococcus hominis subsp. novobiosepticus		2			
Staphylococcus hyicus		2			t
Staphylococcus hyicus subsp. chromogenes					
→ Staphylococcus chromogenes					
Staphylococcus intermedius		2			Z
Staphylococcus kloosii	1				
Staphylococcus lentus (Staphylococcus sciuri subsp. lentus)	1				
Staphylococcus lugdunensis		2			
Staphylococcus lutrae		2			t
Staphylococcus muscae	1				
Staphylococcus nepalensis		2			t
Staphylococcus pasteuri		2			
Staphylococcus pettenkoferi		2			
Staphylococcus piscifermentans	1				
Staphylococcus pseudintermedius		2			ht
Staphylococcus pulvereri – synonym: Staphylococcus vitulinus					
Staphylococcus saccharolyticus (Peptococcus saccharolyticus)		2			
Staphylococcus saprophyticus subsp. bovis	1				
Staphylococcus saprophyticus subsp. saprophyticus		2			
Staphylococcus schleiferi subsp. coagulans		2			ht
Staphylococcus schleiferi subsp. schleiferi		2			ht
Staphylococcus sciuri subsp. carnaticus	1				
Staphylococcus sciuri subsp. lentus → Staphylococcus lentus					
Staphylococcus sciuri subsp. rodentium	1				
Staphylococcus sciuri subsp. sciuri	1				
Staphylococcus simiae		2			t
Staphylococcus simulans	1				ht+
Staphylococcus succinus subsp. casei	1				
Staphylococcus succinus subsp. succinus	1				
Staphylococcus vitulinus	1				+
Staphylococcus warneri	1				ht+
Staphylococcus xylosus	1				ht+
CTADINA OTHERMIC					
STAPHYLOTHERMUS	1				
Staphylothermus hellenicus	1				
Staphylothermus marinus	1				
STAPPIA					
Stappia aggregata → Labrenzia aggregata					
Stappia alba → Labrenzia alba					
Stappia marina → Labrenzia marina					
Stappia stellulata (Agrobacterium stellulatum)	1				
STARKEYA					
Starkeya koreensis	1				
Starkeya novella (Thiobacillus novellus)	1				

STELLA

Genera		Risk	group		NT-4
Species	1	2	3	4	Notes
Stella humosa	1				
Stella vacuolata	1				
STENOTHERMOBACTER					
Stenothermobacter spongiae	1				
STENOTROPHOMONAS					
Stenotrophomonas acidaminiphila	1				
Stenotrophomonas africana – synonym: Stenotrophomonas maltophilia					
Stenotrophomonas dokdonensis	1				
Stenotrophomonas humi	1				
Stenotrophomonas koreensis	1				
Stenotrophomonas maltophilia					
(Pseudomonas maltophilia, Xanthomonas maltophilia)		2			ht
Stenotrophomonas nitritireducens	1				
Stenotrophomonas rhizophila	1				
Stenotrophomonas terrae	1				
otenotrophomonas terrac	•				
STENOXYBACTER					
Stenoxybacter acetivorans	1				
, , , , , , , , , ,					
STEROLIBACTERIUM					
Sterolibacterium denitrificans	1				
STETTERIA					
Stetteria hydrogenophila	1				
STIBIOBACTER					
Stibiobacter senarmontii	1				
STIGMATELLA					
Stigmatella aurantiaca	1				
Stigmatella erecta	1				
Stigmatella hybrida	1				
STOMATOCOCCUS → ROTHIA					
Stomatococcus mucilaginosus → Rothia mucilaginosa					
STREPTACIDIPHILUS					
Streptacidiphilus albus	1				
Streptacidiphilus anmyonensis	1				
Streptacidiphilus carbonis	1				
Streptacidiphilus jiangxiensis	1				
Streptacidiphilus melanogenes	1				
Streptacidiphilus neutrinimicus	1				
	1				
	1				
Streptacidiphilus oryzae	1				
Streptacidiphilus rugosus	1				
Streptacidiphilus rugosus	1				
Streptacidiphilus rugosus STREPTOALLOTEICHUS					
Streptacidiphilus rugosus	1 1 1				

STREPTOBACILLUS

Genera		Risk g	roup		NT .
Species	1	2	3	4	Notes
Streptobacillus moniliformis		2			Z
STREPTOCOCCUS					
		2			ht
Streptococcus acidominimus		2			111
Streptococcus adjacens → Granulicatella adiacens		2			1 .
Streptococcus agalactiae	4	2			ht
Streptococcus alactolyticus	1	2			
Streptococcus anginosus	4	2			
Streptococcus australis	1				
Streptococcus bovis – synonym: Streptococcus equinus		2			7
Streptococcus canis		2			Z
Streptococcus caprinus – synonym: Streptococcus gallolyticus subsp. gallolyticus					
Streptococcus casseliflavus → Enterococcus casseliflavus	1				4.1
Streptococcus castoreus	1				t+
Streptococcus cecorum → Enterococcus cecorum					
Streptococcus constellatus subsp. constellatus		2			
Streptococcus constellatus subsp. pharyngis		2			
Streptococcus cremoris → Lactococcus lactis subsp. cremoris					
Streptococcus criceti	1				
Streptococcus cristatus	1				+
Streptococcus defectivus → Abiotrophia defectiva					
Streptococcus dentirousetti		2			t
Streptococcus devriesei		2			t
Streptococcus didelphis		2			t
Streptococcus difficilis – synonym: Streptococcus agalactiae					
Streptococcus downei	1				
Streptococcus durans → Enterococcus durans					
Streptococcus dysgalactiae subsp. dysgalactiae		2			t
Streptococcus dysgalactiae subsp. equisimilis		2			ht
Streptococcus entericus	1				t+
Streptococcus equi subsp. equi		2			ht
Streptococcus equi subsp. ruminatorum		2			ht
Streptococcus equi subsp. zooepidemicus		2			ht
Streptococcus equinus		2			ht
Streptococcus faecalis → Enterococcus faecalis					
Streptococcus faecium → Enterococcus faecium					
Streptococcus ferus	1				
Streptococcus gallinaceus		2			Z
Streptococcus gallinarum → Enterococcus gallinarum					
Streptococcus gallolyticus subsp. gallolyticus		2			ht
Streptococcus gallolyticus subsp. macedonicus		2			110
(Streptococcus macedonicus)	1				
Streptococcus gallolyticus subsp. pasteurianus					
(Streptococcus pasteurianus)		2			ht
Streptococcus garvieae → Lactococcus garvieae					
Streptococcus gordonii		2			
Streptococcus hansenii → Ruminococcus hansenii		- -			
Streptococcus hyointestinalis	1				
Streptococcus hyonicistmans Streptococcus hyovaginalis	1				
Streptococcus iryovaginais Streptococcus ictaluri	1	2			t
oreproceeds remain		_			ι

Species	Genera		Risk group		
Streptococcus infantarius subsp. coli → Streptococcus lintarius 2 Streptococcus infantarius 1 + Streptococcus infantarius 2 Z Streptococcus intermedius 2 D Streptococcus intermedius 3 2 bt Streptococcus interinalis – synonym: Streptococcus alactis subsp. Eactis subsp. Eactis subsp. Eactis subsp. Eactis subsp. Eactis subsp. Eaction subsp. Eactis subsp. Eaction subsp. Eactis subsp. E		1		4	Notes
Streptococcus infantaius subsp. infantarius 1 + + 1 - + - - - - 7 7 7 5 1 - - 7 <td></td> <td></td> <td></td> <td></td> <td></td>					
Streptococcus infantis 1 + 4 X			2		
Streptoocccus intermedius 2 At Streptoocccus intermedius 2 ht Streptoocccus lactis + Jacoboccus lactis subsp. Incis Streptoocccus lactis subsp. cremoris Streptoocccus lactis subsp. cremoris → Lactoocccus lactis subsp. diacefilactis = synonym: 1 Streptoocccus lactis subsp. diacefilactis = synonym: Lactoocccus lactis subsp. diacefilactis = synonym: 2 Streptoocccus lactis subsp. diacefilactis = synonym: Lactoocccus macacea 1 Streptooccus macacedonicus Streptoocccus macacedonicus 2 Streptooccus macacedonicus Streptoocccus macacedonicus 1 1 Streptoocccus macacedonicus 2 1 Streptoocccus macacedonicus 1 2 Streptoocccus macacedonicus 1 1 Streptoocccus macacedonicus 1 2 Streptooccus macacedonicus 1 1 Streptooccus minor 1 2 Streptooccus minor 1 1 Streptooccus minor 1 1 Streptooccus onlys 2 1 Streptooccus onlys 2 </td <td>-</td> <td>1</td> <td>2</td> <td></td> <td>+</td>	-	1	2		+
Streptococcus intermedius 2 ht Streptococcus intestinalis – synonym: Streptococcus alactolyticus Streptococcus lactis subsp. cernoris Streptococcus lactis subsp. cernoris ————————————————————————————————————	•	1	2		
Streptococcus lactis → Lactococcus lactis subsp. lactis Streptococcus lactis subsp. Catemoris → Lactococcus lactis subsp. cremoris Streptococcus lactis subsp. cremoris → Lactococcus lactis subsp. diacetilactis – synonym: 1 Lactococcus lactis subsp. diacetilactis – synonym: 2 Streptococcus lactis subsp. diacetilactis – synonym: 2 Streptococcus macetae 1 Streptococcus macedonicus - → Streptococcus macedonicus - Streptococcus massilienis 1 Streptococcus mitis 2 Streptococcus mitis 2 Streptococcus motillorum → Gemella morbillorum 2 Streptococcus motilorum → Gemella morbillorum 2 Streptococcus orisis 1 Streptococcus orisis 1 Streptococcus orisis 2 Streptococcus orisis 1 Streptococcus orisis 1 Streptococcus paraulus → Atopobium parvulum Streptococcus paraulus → Atopobium parvulum Streptococcus peroris 1 Streptococcus peroris 1 Streptococcus perorios 1					
Streptococcus lactis subsp. Lactiosoccus lactis subsp. termoris Streptococcus lactis subsp. cremoris Streptococcus lactis subsp. diacetilactis – synonym: 1 Lactococcus lactis subsp. diacetilactis – synonym: 1 Streptococcus lutetiensis (Streptococcus infantarius subsp. coli) 2 Streptococcus lutetiensis (Streptococcus infantarius subsp. coli) 2 Streptococcus macacae 1 Streptococcus macacedonicus 1 Streptococcus massiliensis 1 Streptococcus mitis 2 Streptococcus morbillorum → Gemella morbillorum 2 Streptococcus omorbillorum → Gemella morbillorum 1 Streptococcus origin 2 Streptococcus origin 2 Streptococcus origin 2 Streptococcus origins 1 Streptococcus origins 2 Streptococcus origins 2 Streptococcus origins 2 Streptococcus parawlaris	=		2		110
Streptococcus lactis subsp. cremoris → Lactococcus lactis subsp. diacetilactis – synonym: Lactococcus lactis subsp. lactis 1 Streptococcus lactis subsp. lactis 2 Streptococcus macacaca 1 Streptococcus macacaca 1 Streptococcus gallolyticus subsp. macedonicus 1 Streptococcus sallolyticus subsp. macedonicus 1 Streptococcus massiliensis 1 Streptococcus minor 1 Streptococcus minor 2 Streptococcus minor 2 Streptococcus minor 2 Streptococcus minor 1 Streptococcus minor 2 Streptococcus undis 2 Streptococcus oligofermentans 1 Streptococcus oligofermentans 1 Streptococcus orisatti 1 Streptococcus orisatti 1 Streptococcus orisatti 1 Streptococcus orisatti 1 Streptococcus parvulus → Atopobium parvulum Streptococcus parturinam 1 Streptococcus plonamentalium 2 Streptococ					
→ Lactococcus lactis subsp. diacetilactis – synonym:	*				
Streptococcus lactis subsp. diacetilactis – synonym: Lactococcus lactis subsp. lactis Streptococcus macacae Streptococcus macacae Streptococcus macacae Streptococcus gallolyticus subsp. macedonicus → Streptococcus gallolyticus subsp. macedonicus Streptococcus minor Streptococcus mobillorum → Gemella morbillorum Streptococcus motis Streptococcus motis Streptococcus motis Streptococcus oligofermentans Streptococcus oligofermentans Streptococcus onis Streptococcus parasanguinis Streptococcus parasanguinis Streptococcus paraulus → Atopobium parvulum Streptococcus paraulus → Atopobium parvulum Streptococcus gasteurianus → Streptococcus gallolyticus subsp. pasteurianus Streptococcus paraulus → Atopobium parvulum Streptococcus plantarum → Lactococcus plantarum Streptococcus plantarum → Lactococcus plantarum Streptococcus plomorphus Streptococcus pleomorphus Streptococcus pleomorphus Streptococcus pleomorphus Streptococcus precula plantarum Streptococcus precula plantarum Streptococcus precula porcinus Streptococcus speculoporcinus Streptococcus salivarius Streptococcus salivarius subsp. salivarius su					
Lactococcus lactis subsp. lactis 2 Streptococcus macacae 1 Streptococcus macacae 1 → Streptococcus macacae 1 → Streptococcus massiliensis 1 + Streptococcus minor 1 + Streptococcus minor 2 - Streptococcus minor 1 - Streptococcus minor 2 - Streptococcus minor 1 - Streptococcus oligofermentans 1 - Streptococcus oligofermentans 1 - Streptococcus onisais 1 - Streptococcus onisais 1 - Streptococcus onisais 1 - Streptococcus paraulumino 2 t Streptococcus parauluminis 2 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Streptococcus Intetiensis (Streptococcus infantarius subsp. coli) 2 Streptococcus macacaca 1 Streptococcus macedonicus + Streptococcus subsp. macedonicus + Streptococcus massilinesis 1 + Streptococcus minis 2 2 Streptococcus mobillorum → Gemella morbillorum 2 2 Streptococcus oralis 2 2 Streptococcus orisa 1 - Streptococcus orisati 1 - Streptococcus orisatis 2 t Streptococcus orisatis 1 - Streptococcus orisatis 2 t Streptococcus orisatis 1 - Streptococcus parasanguinis 2 t Streptococcus paratuhuris 2 t Streptococcus paluatrum → Lactococcus paratuhuris 1					
Streptococcus macedonicus 1 → Streptococcus gallolyticus subsp. macedonicus 1 Streptococcus massiliensis 1 Streptococcus minor 1 Streptococcus minor 2 Streptococcus minor 2 Streptococcus morbillorum → Gemella morbillorum ************************************			2		
Streptococcus macedonicus → Streptococcus gallolyticus subsp. macedonicus 1 + Streptococcus minor 1 - + Streptococcus minor 1 - <		1	2		
→ Streptococcus gallolyticus subsp. macedonicus 1 + Streptococcus massiliensis 1 - Streptococcus miris 2 - Streptococcus miris 2 - Streptococcus morbillorum → Gemella morbillorum - 2 Streptococcus oligofermetans 1 - Streptococcus oligofermetans 1 - Streptococcus osariti 1 - Streptococcus orisatti 1 - Streptococcus orisatti 1 - Streptococcus orisas 2 t Streptococcus parasanguinis 2 t Streptococcus parasulurs 2 t Streptococcus paraulurs → Atopobium parvulum -	_	1			
Streptococcus missiliensis 1 + Streptococcus minor 1 - Streptococcus mitis 2 - Streptococcus morbillorum → Gemella morbillorum - - Streptococcus ofisoramentans 1 - Streptococcus orialis 1 - Streptococcus orisatti 1 - Streptococcus orisis 1 - Streptococcus orisis 1 - Streptococcus parasanguinis 2 2 Streptococcus parasanguinis 2 2 t Streptococcus parasunderis 2 2 t Streptococcus parasunderis 2 2 t Streptococcus parasunderis - 2 t Streptococcus parasunderis - 2 t Streptococcus pareundus → Atopobium parvulum - 2 t Streptococcus pasteurianus - 2 t Streptococcus plantarum → Lactococcus plantarum - 2 t Streptococcus pleomorph	-				
Streptococcus mitis 2 Streptococcus morbillorum → Gemella morbillorum 2 Streptococcus morbillorum → Gemella morbillorum 2 Streptococcus onisuns 1 Streptococcus orisuis 1 Streptococcus orisuis 1 Streptococcus orisuis 1 Streptococcus orisuis 2 Streptococcus parasanguinis 2 Streptococcus parasuberis 2 Streptococcus parasuluris 2 Streptococcus paraulus → Atopobium parvulum 3 Streptococcus pasteurianus 4 Streptococcus pasteurianus 4 Streptococcus paccus galolyticus subsp. pasteurianus 1 Streptococcus plantarum → Lactococcus plantarum 1 Streptococcus pleconorphus 1 Streptococcus pleuranimalium 2 Streptococcus pleuranimalium 2 Streptococcus porcinus 2 Streptococcus peudoporcinus 2 Streptococcus peudoporcinus 2 Streptococcus seudoporcinus 2 Streptococcus saccharolyticus → Enterococcus saccharolyticus		1			+
Streptococcus mitis 2 Streptococcus morbillorum → Gemella morbillorum 2 Streptococcus onisans 1 Streptococcus oligofermentans 1 Streptococcus orisanti 1 Streptococcus orisanti 1 Streptococcus orisuis 1 Streptococcus ovis 2 Streptococcus parasanguinis 2 Streptococcus parauberis 2 Streptococcus parvulus → Atopobium parvulum Streptococcus parvulus → Atopobium parvulum Streptococcus gallolyticus subsp. pasteurianus Streptococcus parteurianus Streptococcus phocae 2 Streptococcus plantarum → Lactococcus plantarum Streptococcus pleomorphus 1 Streptococcus pleomorphus 1 Streptococcus purmainalium 2 t Streptococcus porcinus 2 t Streptococcus porcinus 2 t Streptococcus peudoporcinus 2 t Streptococcus peudoporcinus 2 t Streptococcus peudoporcinus 2 t	=				'
Streptococcus morbillorum → Gemella morbillorum 2 Streptococcus oligofermentans 1 Streptococcus oralis 2 Streptococcus orisatti 1 Streptococcus orisatti 1 Streptococcus orisuis 1 Streptococcus orisuis 2 Streptococcus orisuis 2 Streptococcus parasuloris 2 Streptococcus parasuberis 2 Streptococcus parauberis 1 Streptococcus perorius 1 Streptococcus plantarum 1 Streptococcus peudinalium 2 Streptococcus peudopneumoniae 2 Streptococcus peudinal	_	1	2		
Streptococcus oligofermentans 1 Streptococcus oralis 2 Streptococcus orisatti 1 Streptococcus orisuis 1 Streptococcus orisuis 1 Streptococcus orisuis 2 Streptococcus parasanguinis 2 Streptococcus parasanguinis 2 Streptococcus paraulus → Atopobium parvulum 2 Streptococcus pasteurianus 2 → Streptococcus gallolyticus subsp. pasteurianus 3 Streptococcus peroris 1 Streptococcus phocae 2 Streptococcus pluratum → Lactococcus plantarum 1 Streptococcus pluranimalium 2 Streptococcus pluranimalium 2 Streptococcus porcinus 1 Streptococcus porcinus 2 Streptococcus pseudopneumoniae 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus saccharolyticus → Enterococcus saccharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius s	-		2		
Streptococcus oralis 2 Streptococcus oralis 2 Streptococcus orisratti 1 Streptococcus orisratti 1 Streptococcus orisuis 1 Streptococcus orisuis 2 Streptococcus parasanguinis 2 Streptococcus parauberis 2 Streptococcus parauberis 2 Streptococcus parvulus → Atopobium parvulum Streptococcus pasteurianus Streptococcus pasteurianus - Streptococcus gallolyticus subsp. pasteurianus - Streptococcus peroris 1 Streptococcus phocae 2 Streptococcus plantarum → Lactococcus plantarum - Streptococcus pluranimalium 1 Streptococcus pluranimalium 2 Streptococcus preumoniae 2 Streptococcus preumoniae 2 Streptococcus pseudopneumoniae 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus supseudoporcinus 2 Streptococcus sackarolyticus → Enterococcus sackarolyticus 1	_		2		
Streptococcus orisatti 1 Streptococcus orisatti 1 Streptococcus orisuis 1 Streptococcus ovis 2 Streptococcus parasanguinis 2 Streptococcus parasanguinis 2 Streptococcus parauberis 2 Streptococcus parauberis 2 Streptococcus parvulus → Atopobium parvulum Streptococcus parvulus → Atopobium parvulum Streptococcus parvulus → Atopobium parvulum Streptococcus parvulus → Atopobium parvulum Streptococcus parvulus → Atopobium parvulum + Streptococcus peroris 1 + Streptococcus perocus peroris 1 + Streptococcus phocae 2 t Streptococcus plurarimalium 2 t Streptococcus pluranimalium 2 t Streptococcus porcinus 2 t Streptococcus perudoperinus 2 th Streptococcus pseudoprocinus 2 treptococcus partinolactis Streptococcus raffinolactis → Lactococcus raffinolactis treptococcus raffinolactis → Enterococcus salivarius subsp. salivarius subsp. salivarius subsp. salivarius s	-	1	2		
Streptococcus orisatit 1 t+ Streptococcus orisuis 1 t+ Streptococcus orisuis 2 t Streptococcus parasanguinis 2 t Streptococcus parasanguinis 2 t Streptococcus parasulueris 2 t Streptococcus parvulus → Atopobium parvulum Streptococcus parturianus - - Streptococcus gallolyticus subsp. pasteurianus - + - Streptococcus peroris 1 + + Streptococcus peroris 1 - + + Streptococcus plemorphus 1 - + + - <t< td=""><td></td><td>1</td><td>2</td><td></td><td></td></t<>		1	2		
Streptococcus orisuis 1 t+ Streptococcus ovis 2 t Streptococcus parasanguinis 2 t Streptococcus parauberis 2 t Streptococcus parauberis 2 t Streptococcus parauberis 3 2 t Streptococcus parauberis 3 3 *** *** Streptococcus parauberis 1 ***	_	1	2		
Streptococcus ovis 2 t Streptococcus parasanguinis 2 t Streptococcus parauberis 2 t Streptococcus parauburis 2 t Streptococcus paraubus → Atropobium parvulum Streptococcus pasteurianus → Streptococcus gallolyticus subsp. pasteurianus Streptococcus phocae 2 t Streptococcus phocae 2 t Streptococcus plantarum → Lactococcus plantarum Streptococcus pleomorphus 1 ** Streptococcus pleumoniae 2 t Streptococcus porcinus 2 ht Streptococcus pseudopneumoniae 2 ht Streptococcus pseudopneumoniae 2 ht Streptococcus pseudopneumoniae 2 ** Streptococcus pseudoporcinus 2 ** Streptococcus pseudoporcinus 2 ** Streptococcus raftinolactis → Lactococcus raftinolactis ** ** Streptococcus sacharolyticus → Enterococcus sacharolytic	-				4.1
Streptococcus parasanguinis 2 Streptococcus parauberis 2 Streptococcus parvulus → Atopobium parvulum Streptococcus pasteurianus → Streptococcus gallolyticus subsp. pasteurianus Streptococcus peroris 1 Streptococcus phocae 2 Streptococcus plantarum → Lactococcus plantarum Streptococcus pleomorphus 1 Streptococcus pleomorphus 1 Streptococcus pleomorphus 2 Streptococcus pneumoniae 2 Streptococcus porcinus 2 Streptococcus pseudopneumoniae 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus sacinalis → Lactococcus raffinolactis 2 Streptococcus sacharolyticus → Enterococcus sacharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. thermophilus	_	1	2		
Streptococcus parauberis 2 t Streptococcus parvulus → Atopobium parvulum Streptococcus pasteurianus Streptococcus pasteurianus → Streptococcus gallolyticus subsp. pasteurianus + Streptococcus phocae 2 t Streptococcus plocae 2 t Streptococcus plantarum → Lactococcus plantarum 1 - Streptococcus pleomorphus 1 - Streptococcus pleomorphus 1 - Streptococcus pleomorphus 2 t Streptococcus pleomorphus 2 t Streptococcus pleomorphus 2 t Streptococcus pneumoniae 2 t Streptococcus pseudopneumoniae 2 tht Streptococcus pseudoporcinus 2 tht Streptococcus pseudoporcinus 2 t Streptococcus pyogenes 2 t Streptococcus raffinolactis → Lactococcus raffinolactis t t Streptococcus sacharolyticus → Enterococcus sacharolyticus t t Streptococcus salivarius (Streptococcus salivarius subsp. salivarius subsp. salivarius rusp. salivarius rusp. salivarius rusp. salivarius rusp. salivarius rusp. sa	-				ι
Streptococcus parvulus → Atopobium parvulum Streptococcus pasteurianus → Streptococcus gallolyticus subsp. pasteurianus Streptococcus peroris Streptococcus phocae 1					+
Streptococcus gallolyticus subsp. pasteurianus Streptococcus gallolyticus subsp. pasteurianus Streptococcus peroris 1			2		ι
Streptococcus gallolyticus subsp. pasteurianus Streptococcus peroris 1					
Streptococcus peroris 1 + Streptococcus phocae 2 t Streptococcus plantarum → Lactococcus plantarum 1 - Streptococcus pleomorphus 1 - Streptococcus pluranimalium 2 t Streptococcus pneumoniae 2 ht Streptococcus precinus 2 ht Streptococcus pseudopneumoniae 2 ht Streptococcus pseudoporcinus 2 - Streptococcus pseudoporcinus 2 - Streptococcus pseudoporcinus 2 - Streptococcus raffinolactis → Lactococcus raffinolactis Streptococcus ratti 1 - Streptococcus saccharolyticus → Enterococcus saccharolyticus Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius subsp. salivarius subsp. salivarius Streptococcus salivarius subsp. thermophilus - Streptococcus sanguinis 2 Streptococcus shiloi - synonym: Streptococcus iniae Streptococcus sinensis 2 Streptococcus sinensis 2	± ±				
Streptococcus phocae 2 t Streptococcus plantarum → Lactococcus plantarum 1 Streptococcus pleomorphus 1 Streptococcus pluranimalium 2 t Streptococcus pneumoniae 2 ht Streptococcus precinus 2 ht Streptococcus pseudopneumoniae 2 ht Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus pyogenes 2 *** Streptococcus raffinolactis → Lactococcus raffinolactis *** *** Streptococcus saccharolyticus → Enterococcus saccharolyticus *** *** Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 *** Streptococcus salivarius subsp. thermophilus *** *** → Streptococcus sanguinis 2 *** Streptococcus sanguinis 2 *** Streptococcus shiloi – synonym: Streptococcus iniae 2 Streptococcus sinensis 2		1			_
Streptococcus plantarum → Lactococcus plantarum 1 Streptococcus pleomorphus 1 Streptococcus pluranimalium 2 t Streptococcus pneumoniae 2 ht Streptococcus porcinus 2 ht Streptococcus pseudopneumoniae 2 t Streptococcus pseudoporcinus 2 t Streptococcus pyogenes 2 t Streptococcus raffinolactis → Lactococcus raffinolactis t t Streptococcus ratti 1 t Streptococcus saccharolyticus → Enterococcus saccharolyticus t t Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 t Streptococcus salivarius subsp. thermophilus 3 t Streptococcus thermophilus 5 t t Streptococcus sanguinis 2 t t Streptococcus shiloi – synonym: Streptococcus iniae t t t Streptococcus sinensis 2 t t	± ±	1	2		
Streptococcus pleomorphus 1 Streptococcus pluranimalium 2 t Streptococcus pneumoniae 2 ht Streptococcus pseudopneumoniae 2 ht Streptococcus pseudoporcinus 2 5treptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 2 Streptococcus affinolactis → Lactococcus raffinolactis 2 5treptococcus ratii 1 Streptococcus ratti 1 5treptococcus saccharolyticus → Enterococcus saccharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 5treptococcus salivarius subsp. salivarius subsp. salivarius Streptococcus salivarius subsp. thermophilus 3 5treptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae 2 5treptococcus sinensis 2			۷		ι
Streptococcus pluranimalium2tStreptococcus pneumoniae2htStreptococcus porcinus2htStreptococcus pseudopneumoniae2htStreptococcus pseudoporcinus2Streptococcus pseudoporcinus2Streptococcus pyogenes2Streptococcus raffinolactis → Lactococcus raffinolactis3Streptococcus ratti1Streptococcus saccharolyticus → Enterococcus saccharolyticus2Streptococcus salivarius (Streptococcus salivarius subsp. salivarius)2Streptococcus salivarius subsp. salivarius → Streptococcus salivarius3Streptococcus salivarius subsp. thermophilus2Streptococcus sanguinis2Streptococcus shiloi – synonym: Streptococcus iniae2Streptococcus sinensis2		1			
Streptococcus pneumoniae2htStreptococcus porcinus2htStreptococcus pseudopneumoniae2Streptococcus pseudoporcinus2Streptococcus pyogenes2Streptococcus raffinolactis → Lactococcus raffinolactis3Streptococcus ratti1Streptococcus saccharolyticus → Enterococcus saccharolyticusStreptococcus salivarius (Streptococcus salivarius subsp. salivarius)2Streptococcus salivarius subsp. salivarius → Streptococcus salivariusStreptococcus salivarius subsp. thermophilus→ Streptococcus thermophilusStreptococcus sanguinis2Streptococcus shiloi – synonym: Streptococcus iniaeStreptococcus sinensis2		1	2		_
Streptococcus porcinus 2 ht Streptococcus pseudopneumoniae 2 Streptococcus pseudoporcinus 2 Streptococcus pseudoporcinus 2 Streptococcus pyogenes 2 Streptococcus raffinolactis → Lactococcus raffinolactis 3 Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius 3 Streptococcus salivarius subsp. thermophilus 2 → Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae 2 Streptococcus sinensis 2	± ±				
Streptococcus pseudopneumoniae 2 Streptococcus pseudoporcinus 2 Streptococcus pyogenes 2 Streptococcus raffinolactis → Lactococcus raffinolactis 3 Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus 5 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius 2 Streptococcus salivarius subsp. thermophilus 2 Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae 2 Streptococcus sinensis 2					
Streptococcus pseudoporcinus 2 Streptococcus pyogenes 2 Streptococcus raffinolactis → Lactococcus raffinolactis 3 Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius Streptococcus salivarius subsp. thermophilus 3 → Streptococcus thermophilus 2 Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae 2 Streptococcus sinensis 2					Πt
Streptococcus pyogenes 2 Streptococcus raffinolactis → Lactococcus raffinolactis 1 Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus 2 Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius 2 Streptococcus thermophilus 2 Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae 2 Streptococcus sinensis 2					
Streptococcus raffinolactis → Lactococcus raffinolactis Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2					
Streptococcus ratti 1 Streptococcus saccharolyticus → Enterococcus saccharolyticus Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2			2		
Streptococcus saccharolyticus → Enterococcus saccharolyticus Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) Streptococcus salivarius subsp. salivarius → Streptococcus salivarius Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis	•	1			
Streptococcus salivarius (Streptococcus salivarius subsp. salivarius) 2 Streptococcus salivarius subsp. salivarius → Streptococcus salivarius Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2	-	1			
Streptococcus salivarius subsp. salivarius → Streptococcus salivarius Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2			_		
Streptococcus salivarius subsp. thermophilus → Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2			2		
→ Streptococcus thermophilus Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2					
Streptococcus sanguinis 2 Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2					
Streptococcus shiloi – synonym: Streptococcus iniae Streptococcus sinensis 2					
Streptococcus sinensis 2			2		
Streptococcus sobrinus 2	_				
	Streptococcus sobrinus		2		

Genera		Risk g	group	Notes			
Species	1	2	3	4	rotes		
Streptococcus suis		2			Z		
Streptococcus thermophilus							
(Streptococcus salivarius subsp. thermophilus)	1						
Streptococcus thoraltensis	1						
Streptococcus uberis		2			ht		
Streptococcus urinalis	1				+		
Streptococcus vestibularis	1						
Streptococcus waius – synonym: Streptococcus macedonicus							
→ Streptococcus gallolyticus subsp. macedonicus							
STREPTOMONOSPORA							
Streptomonospora alba	1						
Streptomonospora halophila	1						
Streptomonospora salina	1						
STREPTOMYCES							
Streptomyces abikoensis (Streptoverticillium abikoense)	1						
Streptomyces aburaviensis	1						
Streptomyces achromogenes subsp. achromogenes	1						
Streptomyces achromogenes subsp. rubradiris	1						
Streptomyces acidiscabies	1				р		
Streptomyces acrimycini	1				Г		
Streptomyces aculeolatus	1						
Streptomyces afghanensis	1						
Streptomyces africanus	1						
Streptomyces alanosinicus	1						
Streptomyces albaduncus	1						
Streptomyces albiaxialis	1						
Streptomyces albidochromogenes	1						
Streptomyces albidoflavus	1						
Streptomyces albireticuli (Streptoverticillium albireticuli) – synonym: Streptomyces eurocidicus	1						
Streptomyces albofaciens	1						
Streptomyces alboflavus	1						
Streptomyces albogriseolus	1						
Streptomyces albolongus	1						
Streptomyces alboniger	1						
Streptomyces albospinus	1						
Streptomyces albosporeus subsp. albosporeus – synonym:	•						
Streptomyces aurantiacus	1						
Streptomyces albosporeus subsp. labilomyceticus Streptomyces alboverticillatus (Streptoverticillium alboverticillatum) – synonym: Streptomyces griseocarneus	1						
Streptomyces albovinaceus	1						
Streptomyces alboviridis	1						
Streptomyces albulus	1						
Streptomyces albus subsp. albus	1						
Streptomyces albus subsp. pathocidicus	1						
Streptomyces almquistii	1						
Streptomyces althioticus	1						
Streptomyces amakusaensis Streptomyces ambofaciens	1						
ALICHOUTIVES ATHIOGRACIEUS	1						

Genera		Risk g	group		NTadaa
Species	1	2	3	4	Notes
Streptomyces cacaoi subsp. cacaoi					
Streptomyces anandii	1				
Streptomyces anthocyanicus	1				
Streptomyces antibioticus	1				
Streptomyces antimycoticus	1				
Streptomyces anulatus	1				
Streptomyces arabicus	1				
Streptomyces ardus (Streptoverticillium ardum)	1				
Streptomyces arenae	1				
Streptomyces argenteolus – synonym: Streptomyces griseus subsp. griseus					
Streptomyces armeniacus (Actinoplanes armeniacus)	1				
Streptomyces asiaticus Streptomyces asiaticus	1				
Streptomyces asterosporus	1				
Streptomyces atratus	1				
Streptomyces atractis Streptomyces atractis	1				
Streptomyces atroalivaceus	1				
Streptomyces atrovirens	1				
Streptomyces aurantiacus	1				
± • •	1				
Streptomyces aurantiogriseus	1				
Streptomyces aureocirculatus	1				
Streptomyces aureofaciens	1				
Streptomyces aureorectus	1				
Streptomyces aureoversilis (Streptoverticillium aureoversile) – synonym: Streptomyces hiroshimensis					
Streptomyces aureoverticillatus	1				
Streptomyces aureus	1				
Streptomyces avellaneus	1				
Streptomyces avermectinius – synonym: Streptomyces avermitilis					
Streptomyces avermitilis	1				
Streptomyces avidinii	1				
Streptomyces azaticus → Kitasatospora azatica					
Streptomyces azureus	1				
Streptomyces baarnensis	1				
Streptomyces bacillaris	1				
Streptomyces badius	1				
Streptomyces baldaccii (Streptoverticillium baldaccii) – synonym: Streptomyces hiroshimensis					
Streptomyces bambergiensis	1				
Streptomyces bangladeshensis	1				
Streptomyces beijiangensis	1				
Streptomyces bellus	1				
Streptomyces bikiniensis	1				
Streptomyces biverticillatus – synonym: Streptomyces hiroshimensis					
Streptomyces blastmyceticus (Streptoverticillium blastmyceticum)	1				
Streptomyces bluensis	1				
Streptomyces bobili	1				
Streptomyces bottropensis	1				
Streptomyces brasiliensis (Elytrosporangium brasiliense)	1				
Streptomyces bungoensis	1				
Streptomyces cacaoi subsp. asoensis	1				
Streptomyces cacaoi subsp. cacaoi	1				

Genera		Risk group					
Species	1	2	3	4	Notes		
Streptomyces caelestis	1			•			
Streptomyces caeruleus	1						
Streptomyces californicus	1						
Streptomyces calvus	1						
Streptomyces canarius	1						
Streptomyces candidus	1						
Streptomyces canescens	1						
Streptomyces cangkringensis	1						
Streptomyces caniferus	1						
Streptomyces capillisairalis	1 1						
Streptomyces capillispiralis	_						
Streptomyces capoamus	1						
Streptomyces carpaticus	1						
Streptomyces carpinensis (Elytrosporangium carpinense)	1						
Streptomyces castelarensis (Streptomyces castelarensis	1						
(Streptomyces rutgersensis subsp. castelarensis)	1						
Streptomyces catenulae	1						
Streptomyces caviscabies – synonym:							
Streptomyces griseus subsp. griseus	1						
Streptomyces cavourensis subsp. cavourensis	1						
Streptomyces cavourensis subsp. washingtonensis	1						
Streptomyces cellostaticus	1						
Streptomyces celluloflavus	1						
Streptomyces cellulolyticus	1						
Streptomyces cellulosae	1						
Streptomyces champavatii	1						
Streptomyces chartreusis	1						
Streptomyces chattanoogensis	1						
Streptomyces cheonanensis	1						
Streptomyces chibaensis – synonym: Streptomyces corchorusii							
Streptomyces chrestomyceticus	1						
Streptomyces chromofuscus	1						
Streptomyces chryseus	1						
Streptomyces chrysomallus subsp. chrysomallus – synonym:							
Streptomyces anulatus							
"Streptomyces chrysomallus subsp. fumigatus"	1						
Streptomyces cinereorectus	1						
Streptomyces cinereoruber subsp. cinereoruber	1						
Streptomyces cinereoruber subsp. fructofermentans	1						
Streptomyces cinereospinus	1						
Streptomyces cinereus (Microellobosporia cinerea)	1						
Streptomyces cinerochromogenes	1						
Streptomyces cinnabarinus	1						
Streptomyces cinnamonensis	1						
Streptomyces cinnamoneus subsp. albosporus (Streptoverticillium cinnamoneum subsp. albosporum)	1						
Streptomyces cinnamoneus subsp. cinnamoneus (Streptoverticillium cinnamoneum subsp. cinnamoneum)	1						
Streptomyces cinnamoneus subsp. lanosus (Streptoverticillium cinnamoneum subsp. lanosum)	1						
Streptomyces cinnamoneus subsp. sparsus							
(Streptoverticillium cinnamoneum subsp. sparsum)	1						
Streptomyces cirratus	1						

Genera	Risk group					
Species	1	2	3	4	Notes	
Streptomyces ciscaucasicus	1					
Streptomyces citreofluorescens – synonym: Streptomyces anulatus						
Streptomyces clavifer	1					
Streptomyces clavuligerus	1					
Streptomyces cochleatus → Kitasatospora cochleata						
Streptomyces coelescens	1					
Streptomyces coelicoflavus	1					
Streptomyces coelicolor	1					
Streptomyces coeruleoflavus	1					
Streptomyces coeruleofuscus	1					
Streptomyces coeruleoprunus	1					
Streptomyces coeruleorubidus	1					
Streptomyces coerulescens	1					
Streptomyces collinus	1					
Streptomyces colombiensis – synonym:						
Streptomyces lavendulae subsp. lavendulae						
Streptomyces corchorusii	1					
Streptomyces costaricanus	1					
Streptomyces cremeus	1					
Streptomyces crystallinus	1					
Streptomyces curacoi	1					
Streptomyces cuspidosporus	1					
Streptomyces cyaneofuscatus	1					
Streptomyces cyaneus	1					
Streptomyces cyanoalbus	1					
Streptomyces cystargineus = Kitasatospora cystarginea	1					
Streptomyces daghestanicus	1					
Streptomyces deccanensis	1					
Streptomyces diastaticus subsp. ardesiacus	1					
Streptomyces diastaticus subsp. diastaticus	1					
Streptomyces diastatochromogenes	1					
Streptomyces distallicus – synonym: Streptomyces netropsis						
Streptomyces djakartensis	1					
Streptomyces drozdowiczii	1					
Streptomyces durhamensis	1					
Streptomyces durmitorensis	1					
Streptomyces echinatus	1					
Streptomyces echinoruber	1					
Streptomyces ederensis	1					
Streptomyces ehimensis (Streptoverticillium ehimense) – synonym: Streptomyces abikoensis						
Streptomyces emeiensis	1					
Streptomyces endus	1					
Streptomyces enissocaesilis	1					
Streptomyces erumpens	1					
Streptomyces erythraeus → Saccharopolyspora erythraea						
Streptomyces erythrogriseus	1					
Streptomyces eurocidicus (Streptoverticillium eurocidicum)	1					
Streptomyces europaeiscabiei	1				p	
Streptomyces eurythermus	1				•	
Streptomyces exfoliatus	1					
Streptomyces felleus	1					

Genera		Risk	group		TAT :
Species	1	2	3	4	Note
Streptomyces ferralitis	1				
streptomyces fervens subsp. fervens – synonym:					
Streptomyces hiroshimensis					
Streptomyces fervens subsp. melrosporus – synonym:					
Streptomyces hiroshimensis					
Streptomyces filamentosus	1				
Streptomyces filipinensis	1				
Streptomyces fimbriatus	1				
Streptomyces fimicarius	1				
Streptomyces finlayi	1				
Streptomyces flaveolus	1				
Streptomyces flaveus (Microellobosporia flavea)	1				
Streptomyces flavidofuscus	1				
Streptomyces flavidovirens	1				
Streptomyces flaviscleroticus (Chainia flava) – synonym:					
Streptomyces minutiscleroticus					
Streptomyces flavofungini	1				
Streptomyces flavofuscus (Streptomyces globisporus subsp. flavofuscus)	1				
Streptomyces flavogriseus	1				
Streptomyces flavopersicus – synonym: Streptomyces netropsis					
Streptomyces flavotricini	1				
Streptomyces flavovariabilis	1				
Streptomyces flavovirens	1				
Streptomyces flavoviridis	1				
Streptomyces flocculus	1				
Streptomyces floridae	1				
Streptomyces fluorescens – synonym: Streptomyces anulatus					
Streptomyces fradiae	1				
Streptomyces fragilis	1				
Streptomyces fulvissimus	1				
Streptomyces fulvorobeus	1				
Streptomyces fumanus	1				
Streptomyces fumigatiscleroticus (Chainia fumigata)	1				
Streptomyces galbus	1				
Streptomyces galilaeus	1				
Streptomyces gancidicus	1				
Streptomyces gardneri	1				
Streptomyces galaticus	1				
Streptomyces genaticus Streptomyces geysiriensis	1				
Streptomyces geysilicinsis	1				
Streptomyces ginanachisis	1				
Streptomyces glaucescens	1				
Streptomyces glauciniger	1				
Streptomyces glaucosporus	_				
Streptomyces glaucus	1				
Streptomyces globisporus subsp. caucasicus	1				
Streptomyces globisporus subsp. flavofuscus					
→ Streptomyces flavofuscus	,				
Streptomyces globisporus subsp. globisporus	1				
Streptomyces globosus	1				
Streptomyces glomeratus	1				
Streptomyces glomeroaurantiacus	1				
Streptomyces gobitricini	1				

Genera		Risk gr	oup		Notes
Species	1	2	3	4	rotes
Streptomyces goshikiensis	1				
Streptomyces gougerotii	1				
Streptomyces graminearus	1				
Streptomyces graminofaciens	1				
Streptomyces griseinus	1				
Streptomyces griseoaurantiacus	1				
Streptomyces griseobrunneus	1				
Streptomyces griseocarneus (Streptoverticillium griseocarneum)	1				
Streptomyces griseochromogenes	1				
Streptomyces griseoflavus	1				
Streptomyces griseofuscus	1				
Streptomyces griseoincarnatus	1				
Streptomyces griseoloalbus	1				
Streptomyces griseolosporeus = Kitasatospora griseola	1				
Streptomyces griseolus	1				
Streptomyces griseoluteus	1				
Streptomyces griseomycini	1				
Streptomyces griseoplanus	1				
Streptomyces griseorubens	1				
Streptomyces griseoruber	1				
Streptomyces griseorubiginosus	1				
Streptomyces griseosporeus	1				
Streptomyces griseostramineus	1				
Streptomyces griseoverticillatus (Streptoverticillium griseoverticillatum) – synonym: Streptomyces cinnamoneus subsp. cinnamoneus					
Streptomyces griseoviridis	1				
Streptomyces griseus subsp. alpha – synonym: Streptomyces microflavus					
Streptomyces griseus subsp. cretosus – synonym: Streptomyces microflavus					
Streptomyces griseus subsp. griseus	1				р
Streptomyces griseus subsp. solvifaciens	1				_
Streptomyces guanduensis	1				
Streptomyces hachijoensis (Streptoverticillium hachijoense) – synonym: Streptomyces cinnamoneus subsp. cinnamoneus					
Streptomyces hainanensis	1				
Streptomyces halstedii	1				
Streptomyces hawaiiensis	1				
Streptomyces hebeiensis	1				
Streptomyces heliomycini	1				
Streptomyces helvaticus	1				
Streptomyces herbaricolor	1				
Streptomyces himastatinicus	1				
Streptomyces hiroshimensis (Streptoverticillium hiroshimense)	1				
Streptomyces hirsutus	1				
Streptomyces humidus	1				
Streptomyces humiferus	1				
Streptomyces hydrogenans	1				
Streptomyces hygroscopicus subsp. angustmyceticus	1				
Streptomyces hygroscopicus subsp. decoyicus	1				
Streptomyces hygroscopicus subsp. glebosus	1				
Streptomyces hygroscopicus subsp. hygroscopicus	1				
Streptomyces hygroscopicus subsp. ossamyceticus	1				

Genera		Risk group			NT
Species	1	2	3	4	Notes
Streptomyces iakyrus	1				
Streptomyces indiaensis (Streptosporangium indianense)	1				
Streptomyces indigoferus	1				
Streptomyces indonesiensis	1				
Streptomyces intermedius	1				
Streptomyces inusitatus	1				
Streptomyces ipomoeae	1				
Streptomyces janthinus	1				
Streptomyces javensis	1				
Streptomyces jietaisiensis	1				
Streptomyces kanamyceticus	1				
Streptomyces kashmirensis (Streptoverticillium kashmirense) – synonym: Streptomyces lilacinus					
Streptomyces kasugaensis	1				
Streptomyces katrae	1				
Streptomyces kentuckensis – synonym: Streptomyces netropsis	•				
Streptomyces kifunensis → Kitasatospora kifunensis					
Streptomyces kishiwadensis (Streptoverticillium kishiwadense) – synonym: Streptomyces mashuensis					
Streptomyces koyangensis	1				
Streptomyces kunmingensis (Chainia kunmingensis)	1				
Streptomyces kurssanovii	1				
Streptomyces labedae	1				
Streptomyces laceyi	1				
Streptomyces ladakanum – synonym: Streptomyces mobaraensis					
Streptomyces lanatus	1				
Streptomyces lateritius	1				
Streptomyces laurentii	1				
Streptomyces lavendofoliae	1				
Streptomyces lavendulae subsp. grasserius	1				
Streptomyces lavendulae subsp. lavendulae	1				
Streptomyces lavenduligriseus (Streptoverticillium lavenduligriseum)	1				
Streptomyces lavendulocolor	1				
Streptomyces levis	1				
Streptomyces libani subsp. libani	1				
Streptomyces libani subsp. rufus	1				
Streptomyces lienomycini	1				
Streptomyces lilacinus (Streptoverticillium lilacinum)	1				
Streptomyces limosus	1				
Streptomyces lincolnensis	1				
Streptomyces lipmanii – synonym: Streptomyces microflavus					
Streptomyces litmocidini	1				
Streptomyces lomondensis	1				
Streptomyces longisporoflavus	1				
Streptomyces longispororuber	1				
Streptomyces longosporus	1				
Streptomyces longwoodensis	1				
Streptomyces lucensis	1				
Streptomyces luridiscabiei	1				p
Streptomyces luridus	1				1
Streptomyces lusitanus	1				
Streptomyces luteireticuli	1				

Genera		Risk group				
Species	1	2	3	4	Notes	
Streptomyces luteogriseus	1					
Streptomyces luteosporeus (Streptoverticillium album)	1					
Streptomyces luteosporeus (Streptoverticillium luteoverticillatum)	1					
- synonym: Streptomyces abikoensis						
Streptomyces lydicus	1					
Streptomyces macrosporus	1					
Streptomyces malachitofuscus	1					
Streptomyces malachitospinus	1					
Streptomyces malaysiensis	1					
Streptomyces mashuensis (Streptoverticillium mashuense)	1					
Streptomyces massasporeus	1					
Streptomyces matensis	1					
Streptomyces mauvecolor	1					
Streptomyces mediocidicus = Kitasatospora mediocidica	1					
Streptomyces mediolani	1					
Streptomyces megasporus	1					
Streptomyces melanogenes	1					
Streptomyces melanosporofaciens	1					
Streptomyces mexicanus	1					
Streptomyces michiganensis	1					
Streptomyces microflavus	1					
Streptomyces minutiscleroticus (Chainia minutisclerotica)	1					
Streptomyces mirabilis	1					
Streptomyces misakiensis	1					
Streptomyces misionensis	1					
Streptomyces mobaraensis (Streptoverticillium mobaraense)	1					
Streptomyces monomycini	1					
Streptomyces mordarskii	1					
Streptomyces morookaensis (Streptoverticillium morookaense)	1					
Streptomyces murinus	1					
Streptomyces mutabilis	1					
Streptomyces mutamis Streptomyces mutamis	1					
Streptomyces naganishii	1					
Streptomyces narbonensis	1					
Streptomyces nashvillensis	1					
Streptomyces netropsis (Streptoverticillium netropsis)	1 1					
Streptomyces negagawaensis						
Streptomyces niger (Chainia nigra)	1					
Streptomyces nigrescens	1					
Streptomyces nigrifaciens – synonym: Streptomyces flavovirens	1					
Streptomyces nitrosporeus	1					
Streptomyces niveiscabiei	1				p	
Streptomyces niveoruber	1					
Streptomyces niveus – synonym: Streptomyces caeruleus						
Streptomyces noboritoensis	1					
Streptomyces nodosus	1					
Streptomyces nogalater	1					
Streptomyces nojiriensis	1					
Streptomyces noursei	1					
Streptomyces novaecaesareae	1					
Streptomyces ochraceiscleroticus (Chainia ochracea)	1					
Streptomyces odorifer	1					

Genera		Risk group		.
Species	1	2 3	4	Notes
Streptomyces olivaceiscleroticus (Chainia olivacea)	1			
Streptomyces olivaceoviridis	1			
Streptomyces olivaceus	1			
Streptomyces olivochromogenes	1			
Streptomyces olivomycini (Streptoverticillium olivomycini)	1			
Streptomyces olivoreticuli subsp. cellulophilus				
(Streptoverticillium olivoreticuli subsp. cellulophilum) – synonym:				
Streptomyces abikoensis				
Streptomyces olivoreticuli subsp. olivoreticuli				
(Streptoverticillium olivoreticuli subsp. olivoreticuli) – synonym:				
Streptomyces abikoensis	4			
Streptomyces olivoverticillatus (Streptoverticillium olivoverticillatum)	1			
Streptomyces olivoviridis	1			
Streptomyces omiyaensis	1			
Streptomyces orinoci (Streptoverticillium orinoci)	1			
Streptomyces pactum	1			
Streptomyces paracochleatus → Kitasatospora paracochleata				
Streptomyces paradoxus	1			
Streptomyces parvisporogenes (Streptoverticillium parvisporogenes)				
– synonym: Streptomyces abikoensis	1			
Streptomyces parvulus	1			
Streptomyces parvus	1			
Streptomyces paucisporeus	1			
Streptomyces peucetius	1			
Streptomyces phaeochromogenes Streptomyces phaeofaciens	1			
Streptomyces phaeoraciens Streptomyces phaeopurpureus	1			
Streptomyces phaeoviridis	1			
Streptomyces phaeovinais Streptomyces phaeovinais	1			
Streptomyces phosalacineus = Kitasatospora phosalacinea	1			
Streptomyces pilosus	1			
Streptomyces platensis	1			
Streptomyces plicatus	1			
Streptomyces pluricolorescens	1			
Streptomyces polychromogenes	1			
Streptomyces poonensis (Chainia poonensis)	1			
Streptomyces praecox	1			
Streptomyces prasinopilosus	1			
Streptomyces prasinosporus	1			
Streptomyces prasinus	1			
Streptomyces prunicolor	1			
Streptomyces psammoticus	1			
Streptomyces pseudoechinosporeus	1			
Streptomyces pseudogriseolus	1			
Streptomyces pseudovenezuelae	1			
Streptomyces pulveraceus	1			
Streptomyces puniceus	1			
Streptomyces puniciscabiei	1			р
Streptomyces purpeofuscus	1			1
Streptomyces purpurascens	1			
Streptomyces purpureus (Kitasatoa purpurea)	1			
Streptomyces purpurogeneiscleroticus (Chainia purpurogena)	1			
Streptomyces racemochromogenes	1			
-				

Genera		Risk	group		
Species	1	2	3	4	Notes
Streptomyces radiopugnans	1	_		<u> </u>	
Streptomyces rameus	1				
Streptomyces ramulosus	1				
Streptomyces rangoonensis	1				
Streptomyces rapamycinicus	1				
Streptomyces recifensis	1				
Streptomyces rectiverticillatus (Streptoverticillium rectiverticillatum)					
- synonym: Streptomyces hiroshimensis					
Streptomyces rectiviolaceus	1				
Streptomyces regensis	1				
Streptomyces resistomycificus	1				
Streptomyces reticuliscabiei	1				n
Streptomyces rhizosphaerius	1				p
Streptomyces rimosus subsp. paromomycinus	1				
Streptomyces rimosus subsp. rimosus	1				
Streptomyces rishiriensis	1				
Streptomyces rochei	1				
Streptomyces roseiscleroticus (Chainia rosea)	1				
	1				
Streptomyces roseodiastaticus					
Streptomyces roseoflavus	1				
Streptomyces roseofulvus	1				
Streptomyces roseolilacinus	1				
Streptomyces roseolus	1				
Streptomyces roseosporus	1				
Streptomyces roseoverticillatus (Streptoverticillium roseoverticillatum) – synonym: Streptomyces hiroshimensis					
Streptomyces roseoviolaceus	1				
Streptomyces roseoviridis	1				
Streptomyces ruanii	1				
Streptomyces ruber (Chainia rubra)	1				
Streptomyces rubidus	1				
Streptomyces rubiginosohelvolus	1				
Streptomyces rubiginosus	1				
Streptomyces rubrogriseus	1				
Streptomyces rutgersensis subsp. castelarensis					
→ Streptomyces castelarensis					
Streptomyces rutgersensis subsp. rutgersensis – synonym: Streptomyces albidoflavus					
Streptomyces salmonis (Streptoverticillium salmonis) – synonym:					
Streptomyces hiroshimensis	1				
Streptomyces sampsonii	1				
Streptomyces sanglieri	1				
Streptomyces sannanensis	1				
Streptomyces sapporonensis (Streptoverticillium sapporonense) – synonym: Streptomyces cinnamoneus subsp. cinnamoneus					
Streptomyces scabiei	1				p
Streptomyces scabrisporus	1				
Streptomyces sclerotialus	1				
Streptomyces scopiformis	1				
Streptomyces seoulensis	1				
Streptomyces septatus (Streptoverticillium septatum) – synonym: Streptomyces griseocarneus					
Streptomyces setae = Kitasatospora setae	1				

Genera			Notes		
Species	1	2 3	4	Notes	
Streptomyces setonii – synonym: Streptomyces griseus subsp. griseus					
Streptomyces showdoensis	1				
Streptomyces sindenensis	1				
Streptomyces sioyaensis	1				
Streptomyces sodiiphilus	1				
Streptomyces somaliensis		2			
Streptomyces sparsogenes	1				
Streptomyces spectabilis	1				
Streptomyces spectables Streptomyces speibonae	1				
Streptomyces speleomycini	1				
Streptomyces spheroides – synonym: Streptomyces caeruleus	1				
Streptomyces spinoverrucosus	1				
Streptomyces spiralis (Elytrosporangium spirale)	1				
Streptomyces spirans (Elytrosporangium spirale) Streptomyces spiroverticillatus	1				
1 , 1	1				
Streptomyces spitsbergensis – synonym: Streptomyces hiroshimensis	1				
Streptomyces sporocinereus	1				
Streptomyces sporoclivatus	1				
Streptomyces spororaveus	1				
Streptomyces sporoverrucosus	1				
Streptomyces stelliscabiei	1			p	
Streptomyces stramineus	1				
Streptomyces subrutilus	1				
Streptomyces sulfonofaciens	1				
Streptomyces sulphureus	1				
Streptomyces synnematoformans	1				
Streptomyces syringium (Streptoverticillium syringium) – synonym:					
Streptomyces netropsis					
Streptomyces tanashiensis	1				
Streptomyces tauricus	1				
Streptomyces tendae	1				
Streptomyces termitum	1				
Streptomyces thermoalcalitolerans	1				
Streptomyces thermoautotrophicus	1				
Streptomyces thermocarboxydovorans	1				
Streptomyces thermocarboxydus	1				
Streptomyces thermocoprophilus	1				
Streptomyces thermodiastaticus	1				
Streptomyces thermogriseus	1				
Streptomyces thermolineatus	1				
Streptomyces thermonitrificans – synonym: Streptomyces thermovulgaris					
Streptomyces thermospinosisporus	1				
Streptomyces thermoviolaceus subsp. apingens	1				
Streptomyces thermoviolaceus subsp. thermoviolaceus	1				
Streptomyces thermovulgaris	1				
Streptomyces thioluteus (Streptoverticillium thioluteum)	1				
Streptomyces torulosus	1				
Streptomyces toxutricini	1				
	1				
Streptomyces tricolor					
Streptomyces tubercidicus	1				
Streptomyces tuirus	1				
Streptomyces turgidiscabies	1			p	

Genera		Risk g	group		TNT
Species	1	2	3	4	Notes
Streptomyces umbrinus	1				
Streptomyces variabilis	1				
Streptomyces variegatus	1				
Streptomyces varsoviensis	1				
Streptomyces vastus	1				
Streptomyces venezuelae	1				
Streptomyces venezuate Streptomyces vietnamensis	1				
Streptomyces vinaceus	1				
Streptomyces vinaceus Streptomyces vinaceusdrappus	1				
Streptomyces violaceochromogenes	1				
Streptomyces violaceolatus	1				
Streptomyces violaceorectus	1				
Streptomyces violaceoretus Streptomyces violaceoruber	1				
Streptomyces violaceorubidus	1				
Streptomyces violaceorubidus	1				
Streptomyces violaceusniger	1				
Streptomyces violarus	1				
Streptomyces violascens	1				
Streptomyces violatus – synonym: Streptomyces violaceus	4				
Streptomyces violens (Chainia violens)	1				
Streptomyces virens	1				
Streptomyces virginiae	1				
Streptomyces viridiflavus (Streptoverticillium viridoflavum) – synonym:					
Streptomyces olivoverticillatus	4				
Streptomyces viridiviolaceus	1				
Streptomyces viridobrunneus	1				
Streptomyces viridochromogenes	1				
Streptomyces viridodiastaticus	1				
Streptomyces viridosporus	1				
Streptomyces vitaminophilus (Actinosporangium vitaminophilum)	1				
Streptomyces wedmorensis	1				
Streptomyces werraensis	1				
Streptomyces willmorei – synonym: Streptomyces microflavus					
Streptomyces xanthochromogenes	1				
Streptomyces xanthocidicus	1				
Streptomyces xantholiticus	1				
Streptomyces xanthophaeus	1				
Streptomyces yanglinensis	1				
Streptomyces yanii	1				
Streptomyces yatensis	1				
Streptomyces yeochonensis	1				
Streptomyces yerevanensis	1				
Streptomyces yogyakartensis	1				
Streptomyces yokosukanensis	1				
Streptomyces yunnanensis	1				
Streptomyces zaomyceticus	1				
STREPTOSPORANGIUM					
Streptosporangium albidum → Kutzneria albida					
Streptosporangium album	1				
Streptosporangium amethystogenes subsp. amethystogenes	1				
Streptosporangium amethystogenes subsp. fukuiense	1				

Genera		NT-4			
Species	1	2	group 3	4	Notes
Streptosporangium carneum	1				
Streptosporangium claviforme	1				
Streptosporangium corrugatum → Acrocarpospora corrugata					
Streptosporangium fragile	1				
Streptosporangium indianense → Streptomyces indiaensis					
Streptosporangium longisporum	1				
Streptosporangium nondiastaticum	1				
Streptosporangium pseudovulgare	1				
Streptosporangium purpuratum	1				
Streptosporangium roseum – synonym: Streptomyces indiaensis					
Streptosporangium subroseum	1				
Streptosporangium violaceochromogenes – synonym: Streptomyces indiaensis					
Streptosporangium viridialbum → Sphaerosporangium viridialbum					
Streptosporangium viridogriseum → Kutzneria viridogrisea					
Streptosporangium viridogriseum subsp. kofuense					
→ Kutzneria kofuensis					
Streptosporangium viridogriseum subsp. viridogriseum					
→ Kutzneria viridogrisea					
Streptosporangium vulgare	1				
Streptosporangium yunnanense	1				

STREPTOVERTICILLIUM → STREPTOMYCES

Streptoverticillium abikoense → Streptomyces abikoensis

Streptoverticillium albireticuli → Streptomyces albireticuli

 $Streptoverticillium\ alboverticillatum\ {\color{blue} \rightarrow}\ Streptomyces\ alboverticillatus$

Streptoverticillium album → Streptomyces luteosporeus

Streptoverticillium ardum → Streptomyces ardus

Streptoverticillium aureoversile → Streptomyces aureoversilis

Streptoverticillium baldaccii → Streptomyces roseoverticillatus

Streptoverticillium biverticillatum → Streptomyces roseoverticillatus

 $Streptoverticillium\ blastmyceticum \rightarrow Streptomyces\ blastmyceticus$

Streptoverticillium cinnamoneum subsp. albosporum

 \rightarrow Streptomyces cinnamoneus subsp. albosporus

Streptoverticillium cinnamoneum subsp. cinnamoneum

→ Streptomyces cinnamoneus subsp. cinnamoneus

Streptoverticillium cinnamoneum subsp. lanosum

→ Streptomyces cinnamoneus subsp. lanosus Streptoverticillium cinnamoneum subsp. sparsum

→ Streptomyces cinnamoneus subsp. sparsus

Streptoverticillium distallicum → Streptomyces netropsis

Streptoverticillium ehimense → Streptomyces ehimensis

Streptoverticillium eurocidicum → Streptomyces eurocidicus

Streptoverticillium fervens subsp. fervens

→ Streptomyces roseoverticillatus

Streptoverticillium fervens subsp. melrosporus

→ Streptomyces roseoverticillatus

Streptoverticillium flavopersicum → Streptomyces netropsis

Streptoverticillium griseocarneum → Streptomyces griseocarneus

Streptoverticillium griseoverticillatum

Genera		Risk	group		NT.4.
Species	1	2	3	4	Notes
→ Streptomyces griseoverticillatus					
Streptoverticillium hachijoense → Streptomyces hachijoensis					
Streptoverticillium hiroshimense → Streptomyces hiroshimensis					
Streptoverticillium kashmirense → Streptomyces kashmirensis					
Streptoverticillium kentuckense → Streptomyces netropsis					
Streptoverticillium kishiwadense → Streptomyces kishiwadensis					
Streptoverticillium ladakanum → Streptomyces mobaraensis					
Streptoverticillium lavenduligriseum → Streptomyces lavenduligriseus					
Streptoverticillium lilacinum → Streptomyces lilacinus					
Streptoverticillium luteoverticillatum → Streptomyces luteoverticillatus					
Streptoverticillium mashuense → Streptomyces mashuensis					
Streptoverticillium mobaraense → Streptomyces mobaraensis					
Streptoverticillium morookaense → Streptomyces morookaensis					
Streptoverticillium netropsis → Streptomyces netropsis					
Streptoverticillium olivomycini → Streptomyces olivomycini					
Streptoverticillium olivoreticuli subsp. cellulophilum					
→ Streptomyces olivoreticuli subsp. cellulophilus					
Streptoverticillium olivoreticuli subsp. olivoreticuli					
→ Streptomyces olivoreticuli subsp. olivoreticuli					
Streptoverticillium olivoverticillatum → Streptomyces olivoverticillatus					
Streptoverticillium orinoci → Streptomyces orinoci					
Streptoverticillium parvisporogenes → Streptomyces parvisporogenes					
Streptoverticillium rectiverticillatum → Streptomyces rectiverticillatus					
Streptoverticillium roseoverticillatum → Streptomyces roseoverticillatus					
Streptoverticillium salmonis → Streptomyces salmonis					
Streptoverticillium sapporonense → Streptomyces sapporonensis					
Streptoverticillium septatum → Streptomyces septatus					
Streptoverticillium syringium → Streptomyces syringium					
Streptoverticillium thioluteum → Streptomyces thioluteus					
Streptoverticillium viridoflavum → Streptomyces viridiflavus					
STYGIOLOBUS					
Stygiolobus azoricus	1				
SUBDOLIGRANULUM					
Subdoligranulum variabile	1				
SUBSAXIBACTER					
Subsaxibacter broadyi	1				
SUBSAXIMICROBIUM					
Subsaximicrobium saxinquilinus	1				
Subsaximicrobium wynnwilliamsii	1				

SUCCINICLASTICUM

Subtercola pratensis \rightarrow Agreia pratensis

Subtercola frigoramans

SUBTERCOLA Subtercola boreus

1

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Succiniclasticum ruminis	1				
SUCCINIMONAS					
Succinimonas amylolytica	1				
SUCCINISPIRA					
Succinispira mobilis	1				
SUCCINIVIBRIO					
Succinivibrio dextrinosolvens	1				+
SULFITOBACTER					
Sulfitobacter brevis	1				
Sulfitobacter delicatus	1				
Sulfitobacter donghicola	1				
Sulfitobacter dubius	1				
Sulfitobacter guttiformis (Staleya guttiformis)	1				
Sulfitobacter litoralis	1				
Sulfitobacter marinus					
	1				
Sulfitobacter mediterraneus	1				
Sulfitobacter pontiacus	1				
SULFOBACILLUS					
Sulfobacillus acidophilus	1				
Sulfobacillus disulfidooxidans → Alicyclobacillus disulfidooxidans					
Sulfobacillus sibiricus	1				
Sulfobacillus thermosulfidooxidans	1				
Sulfobacillus thermotolerans	1				
SULFOLOBUS					
Sulfolobus acidocaldarius	1				
Sulfolobus brierleyi \rightarrow Acidianus brierleyi					
Sulfolobus hakonensis → Metallosphaera hakonensis					
Sulfolobus metallicus	1				
Sulfolobus shibatae	1				
Sulfolobus solfataricus	1				
Sulfolobus tokodaii					
Sulfolobus vangmingensis	1 1				
SULFOPHOBOCOCCUS					
Sulfophobococcus zilligii	1				
SULFURICURVUM	_				
Sulfuricurvum kujiense	1				
SULFURIHYDROGENIBIUM					
Sulfurihydrogenibium azorense	1				
Sulfurihydrogenibium kristjanssonii	1				
Sulfurihydrogenibium rodmanii	1				
Sulfurihydrogenibium subterraneum	1				

Genera		Risk g	group		Nictor
Species	1	2	3	4	Notes
Sulfurimonas autotrophica	1				
Sulfurimonas denitrificans (Thiomicrospira denitrificans)	1				
Sulfurimonas paralvinellae	1				
SULFURISPHAERA					
Sulfurisphaera ohwakuensis	1				
SULFURIVIRGA					
Sulfurivirga caldicuralii	1				
SULFUROCOCCUS					
Sulfurococcus mirabilis	1				
Sulfurococcus yellowstonensis	1				
SULFUROSPIRILLUM					
Sulfurospirillum arcachonense	1				
Sulfurospirillum arsenophilum	1				
Sulfurospirillum barnesii	1				
Sulfurospirillum cavolei	1				
Sulfurospirillum deleyianum	1				
Sulfurospirillum halorespirans	1				
Sulfurospirillum multivorans (Dehalospirillum multivorans)	1				
SULFUROVUM					
Sulfurovum lithotrophicum	1				
SUTTERELLA					
Sutterella parvirubra	1				
Sutterella stercoricanis	1				
Sutterella wadsworthensis	1	2			
outerena wadswortnensis		2			
SUTTONELLA					
Suttonella indologenes (Kingella indologenes)		2			
Suttonella ornithocola		2			t
SWAMINATHANIA					
Swaminathania salitolerans	1				
SYMBIOBACTERIUM					
Symbiobacterium thermophilum	1				
SYMBIOTES					
Symbiotes lectularius	1				
SYNERGISTES					
Synergistes jonesii	1				
SYNTROPHOBACTER					
Syntrophobacter fumaroxidans	1				
Syntrophobacter pfennigii	1				
Syntrophobacter sulfatireducens	1				
Syntrophobacter wolinii	1				

SYNTROPHOBOTULUS

Genera		Risk group		NT .
Species	1	2 3	4	Notes
Syntrophobotulus glycolicus	1			
SYNTROPHOCOCCUS				
Syntrophococcus sucromutans	1			
SYNTROPHOMONAS				
Syntrophomonas bryantii				
(Syntrophospora bryantii, Clostridium bryantii)	1			
Syntrophomonas cellicola	1			
Syntrophomonas curvata	1			
Syntrophomonas erecta	1			
Syntrophomonas palmitatica	1			
Syntrophomonas sapovorans	1			
Syntrophomonas wolfei subsp. saponavida	1			
Syntrophomonas wolfei subsp. wolfei	1			
Syntrophomonas zehnderi	1			
SYNTROPHOSPORA → SYNTROPHOMONAS				
Syntrophospora bryantii (Clostridium bryantii)				
→ Syntrophomonas bryantii				
SYNTROPHOTHERMUS				
Syntrophothermus lipocalidus	1			
SYNTROPHUS				
Syntrophus aciditrophicus	1			
Syntrophus buswellii	1			
Syntrophus gentianae	1			
TAMLANA				
Tamlana crocina	1			
TANNERELLA				
Tannerella forsythensis (Bacteroides forsythus)		2		
TATEYAMARIA				
Tateyamaria omphalii	1			
TATLOCKIA				
Tatlockia maceachernii (Legionella maceachernii)		2		
Tatlockia micdadei (Legionella micdadei)		2		
TATUMELLA				
Tatumella ptyseos		2		
TAYLORELLA				
Taylorella asinigenitalis	1			t+
Taylorella equigenitalis (Haemophilus equigenitalis)		2		t
TECTIBACTER				
Tectibacter vulgaris	1			
TEICHOCOCCUS				
Teichococcus ludipueritiae	1			
r r	-			

Genera	Risk group	<u> </u>
Species	1 2 3	rotes
- Species	1 2 3	<u> </u>
TELLURIA		
Telluria chitinolytica	1	
Telluria mixta (Pseudomonas mixta)	1	
TELMATOSPIRILLUM		
Telmatospirillum siberiense	1	
TENACIBACULUM		
Tenacibaculum adriaticum	1	
Tenacibaculum aestuarii	1	
Tenacibaculum aiptasiae	1	
Tenacibaculum amylolyticum	1	
Tenacibaculum discolor	1	t2
Tenacibaculum gallaicum	1	t2
Tenacibaculum litopenaei	1	-
Tenacibaculum litoreum	1	
Tenacibaculum lutimaris	1	
Tenacibaculum maritimum (Flexibacter maritimus)	1	t2
Tenacibaculum mesophilum	1	(2
Tenacibaculum ovolyticum (Flexibacter ovolyticus)	1	t2
Tenacibaculum skagerrakense	1	(2
Tenacibaculum soleae	1	t2
Temeloucaram sorcae	•	
TENUIBACILLUS		
Tenuibacillus multivorans	1	
TEPIDANAEROBACTER		
Tepidanaerobacter syntrophicus	1	
TEPIDIBACTER		
Tepidibacter formicigenes	1	
Tepidibacter thalassicus	1	
•		
TEPIDICELLA Tepidicalla variori	1	
Tepidicella xavieri	1	
TEPIDIMICROBIUM		
Tepidimicrobium terriphilum	1	
TEPIDIMONAS		
Tepidimonas aquatica	1	
Tepidimonas ignava	1	
Tepidimonas taiwanensis	1	
Tepidimonas thermarum	1	
TEPIDIPHILUS		
Tepidiphilus margaritifer	1	
TERASAKIELLA		
Terasakiella pusilla (Oceanospirillum pusillum)	1	
TEREDINIBACTER		
Teredinibacter turnerae	1	

Terrabacter aerolatus	Genera		Risk	group		NT-4
Cereabacter aerolatus	Species	1			4	Notes
Cereabacter aerolatus						
Fernabacter lapilli		4				
Certaplacter turnescens 1						
Ferrabacter tumescens (Arthrobacter tumescens, Pimelobacter tumescens) FERRACOCCUS Ferracoccus luteus FERRIBACILLUS Ferribacillus halophilus Ferribacillus saccharophilus FERRIGLOBUS Ferriglobus roseus FERRIMONAS Ferrimonas ferruginea (Flavobacterium ferrugineum) FERRIMONAS Ferrimonas lutea FESSARACOCCUS FESSARACOCCUS FESSARACOCCUS FESSARACOCCUS FETRAGENOCOCUS FETRAGENOCOCUS Fetragenococcus halophilus (Pediococcus halophilus) FETRAGENOCOCUS Fetragenococcus furescens FETRASPHAERA F						
Carthrobacter tumescens, Pimelobacter tumescens) 1 FERRACOCCUS Ferracoccus luteus		1				
TERRIBACILLUS Terribacillus halophilus Terribacillus saccharophilus TERRIGLOBUS Terriglobus roscus TERRIMONAS Terrimonas ferruginea (Flavobacterium ferrugineum) TERSARACOCCUS TESSARACOCCUS TESSARACOCCUS TESSARACOCCUS TESSARACOCCUS TESSARACOCCUS TESSARACOCCUS TETRAGENOCOCUS TETRATHIOBACTER TETRATHIOBACTER TETRATHIOBACTER TETRATHIOBACTER TETRALASSOBACILLUS THALASSOBACILLUS THALASSOBACTER		1				
TERRIBACILLUS Terribacillus halophilus 1 TERRIGLOBUS TERRIMONAS Terrimonas ferruginea (Flavobacterium ferrugineum) 1 TERRIMONAS TERRIMONAS TERRIMONAS TERSARACOCCUS TESSARACOCUS TESSARACOCUS TESSARACOCUS TESSARACOCUS TESSARACOCUS TETRAGENOCOCUS TETRAGENO	TERRACOCCUS					
Terribacillus halophilus	Γerracoccus luteus	1				
FERRIGLOBUS FERRIMONAS Ferriglobus roseus 1 FERRIMONAS Ferrimonas ferruginea (Flavobacterium ferrugineum) 1 FERSARACOCCUS Fessaracoccus bendigoensis 1 FETRAGENOCCUS Fetragenococcus halvesems 1 Fetragenococcus halves 1 FETRAGENOCCUS Fetragenococcus solitarius 1 FETRASPHAERA Fetrasphaera duodecadis (Arthrobacter duodecadis) 1 Fetrasphaera japonica 1 Fetrasphaera jenkinsii 1 Fetrasphaera varveenii 1 Fetrasphaera varveenii 1 FETRATHIOBACTER FETRATHIOBACTER FHALASSOBACILLUS Fhalassobacillus devorans 1 FFHALASSOBACTER	TERRIBACILLUS					
TERRIGLOBUS Ferriglobus roseus 1 FERRIMONAS Ferrimonas ferruginea (Flavobacterium ferrugineum) 1 FERRIMONAS Ferrimonas ferruginea (Flavobacterium ferrugineum) 1 FESSARACOCCUS Fessaracoccus bendigoensis 1 FESSARACOCCUS Fessaracoccus flavescens 1 FETRAGENOCOCCUS Fetragenococcus halophilus (Pediococcus halophilus) 1 Fetragenococcus halophilus (Pediococcus halophilus) 1 Fetragenococcus muriaticus 1 Fetragenococcus solitarius (Enterococcus solitarius) 1 FETRASPHAERA Fetrasphaera quodecadis (Arthrobacter duodecadis) 1 Fetrasphaera duodecadis (Arthrobacter duodecadis) 1 Fetrasphaera duodecadis (Arthrobacter duodecadis) 1 Fetrasphaera piaponica 1 Fetrasphaera japonica 1 Fetrasphaera remsis 1 Fetrasphaera vanveenii 1 Fetrasphaera vanveenii 1 Fetrasphaera vanveenii 1 Fetrasphaera veronensis 1 FETRATHIOBACTER Fetrathiobacter kashmirensis 1 Fetrathiobacter minigardefordensis 1 Fetrathiobacter minigardefordensis 1 Fetrathiobacter minigardefordensis 1 Fetrathiobacter minigardefordensis 1 FETRATHOLOSCULUS Thalassobacillus devorans 1 FFHALASSOBACTER	Terribacillus halophilus	1				
TERRIMONAS Terrimonas ferruginea (Flavobacterium ferrugineum) 1 Cerrimonas lutea TESSARACOCCUS Tessaracoccus bendigoensis 1 Cersagnacoccus flavescens 1 TETRAGENOCOCCUS Tetragenococcus halophilus (Pediococcus halophilus) 1 Cetragenococcus koreensis 1 Cetragenococcus solitarius 1 Cetragenococcus solitarius (Enterococcus solitarius) 1 + TETRASPHAERA Tetrasphaera australiensis 1 Cetrasphaera duodecadis (Arthrobacter duodecadis) 1 Cetrasphaera ipponica 1 Cetrasphaera japonica 1 Cetrasphaera remsis 1 Cetrasphaera remsis 1 Cetrasphaera vanveenii 1 Cetrasphaera veronensis 1 TETRATHIOBACTER TETRATHIOBACTER THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Terribacillus saccharophilus	1				
TERRIMONAS 1-Cerrimonas ferruginea (Flavobacterium ferrugineum) 1 1-Cerrimonas lutea 1 1-Cersaracoccus bendigoensis 1 1-Cersaracoccus dendegoensis 1 1-Cerragenococcus halophilus (Pediococcus halophilus) 1 1-Cerragenococcus halophilus (Pediococcus halophilus) 1 1-Cerragenococcus soreensis 1 1-Cerragenococcus muriaticus 1 1-Cerragenococcus solitarius (Enterococcus solitarius) 1 1-Certargenococcus solitarius (Enterococcus solitarius) 1 1-Certasphaera australiensis 1 1-Certasphaera australiensis 1 1-Certasphaera duodecadis (Arthrobacter duodecadis) 1 1-Certasphaera japonica 1 1-Certasphaera japonica 1 1-Certasphaera japonica 1 1-Certasphaera jenkinsii 1 1-Certasphaera vanveenii 1 1-Certasphaera vanveenii 1 1-Certasphaera veronensis	TERRIGLOBUS					
Terrimonas ferruginea (Flavobacterium ferrugineum) 1 Cerrimonas lutea TESSARACOCCUS 1 Cessaracoccus bendigoensis 1 Cessaracoccus flavescens 1 Cessaracoccus flavescens 1 Cessaracoccus halophilus (Pediococcus halophilus) 1 Cetragenococcus halophilus (Pediococcus halophilus) 1 Cetragenococcus koreensis 1 Cetragenococcus muriaticus 1 Cetragenococcus solitarius (Enterococcus solitarius) 1 Cetrasphacea australiensis 1 Cetrasphacra australiensis 1 Cetrasphaera duodecadis (Arthrobacter duodecadis) 1 Cetrasphaera japonica 1 Cetrasphaera japonica 1 Cetrasphaera jenkinsii 1 Cetrasphaera remsis 1 Cetrasphaera veronensis	Terriglobus roseus	1				
Tersinonas lutea 1 FESSARACOCCUS Fessaracoccus bendigoensis 1 Fessaracoccus flavescens 1 FETRAGENOCOCCUS Fetragenococcus halophilus (Pediococcus halophilus) 1 Fetragenococcus koreensis 1 Fetragenococcus worth flavescensis 1 Fetragenococcus solitarius (Enterococcus solitarius) 1 FETRASPHAERA Fetrasphaera australiensis 1 Fetrasphaera duodecadis (Arthrobacter duodecadis) 1 Fetrasphaera elongata 1 Fetrasphaera japonica 1 Fetrasphaera jenkinsii 1 Fetrasphaera remsis 1 Fetrasphaera vanveenii 1 Fetrasphaera remsis 1 Fetrasphaera vanveenii 1 Fetrasphaera vanveenii 1 Fetrasphaera vanveenii 1 Fetrasphaera remsis 16 Fetrathiobacter kashmirensis 16 Fetrathiobacter mimigardefordensis 16 Fetrathiobacter mimigardefordensis 16 Fetrathiobacter mimigardefordensis 16 Fetrathiobacter mimigardefordensis 16 Fetrasphaesa 16 Fetrasphaesa 17 Fetrasphaesa 17 Fetrasphaesa 18 Fetrasphaesa 19 Fetrasp	TERRIMONAS					
Tessaracoccus bendigoensis Tessaracoccus flavescens Tessaracoccus flavescens Tetragenococcus halophilus (Pediococcus halophilus) Tetragenococcus halophilus (Pediococcus halophilus) Tetragenococcus muriaticus Tetragenococcus muriaticus Tetragenococcus solitarius (Enterococcus solitarius) Tetragenococcus solitarius (Enterococcus solitarius) Tetrasphaera australiensis Tetrasphaera duodecadis (Arthrobacter duodecadis) Tetrasphaera elongata Tetrasphaera japonica Tetrasphaera japonica Tetrasphaera jenkinsii Tetrasphaera remsis Tetrasphaera veronensis	Terrimonas ferruginea (Flavobacterium ferrugineum)	1				
Fessaracoccus bendigoensis Fessaracoccus flavescens Fetragenococcus flavescens Fetragenococcus halophilus (Pediococcus halophilus) Fetragenococcus koreensis Fetragenococcus writaticus Fetragenococcus solitarius (Enterococcus solitarius) Fetrasphaera Fetrasphaera australiensis Fetrasphaera duodecadis (Arthrobacter duodecadis) Fetrasphaera japonica Fetrasphaera jenkinsii Fetrasphaera remsis Fetrasphaera vanveenii Fetrasphaera vanvee	Terrimonas lutea	1				
Tetragenococcus halophilus (Pediococcus halophilus) Tetragenococcus halophilus (Pediococcus halophilus) Tetragenococcus koreensis Tetragenococcus muriaticus Tetragenococcus solitarius (Enterococcus solitarius) Tetrasphaera coccus solitarius (Enterococcus solitarius) Tetrasphaera australiensis Tetrasphaera australiensis Tetrasphaera duodecadis (Arthrobacter duodecadis) Tetrasphaera elongata Tetrasphaera japonica Tetrasphaera jenkinsii Tetrasphaera remsis Tetrasphaera vanveenii Tetrathiobacter kashmirensis Tetrathiobacter kashmirensis Tetrathiobacter minigardefordensis Thalassobacillus devorans Thalassobacillus devorans Thalassobacter	TESSARACOCCUS					
TETRAGENOCOCUS Tetragenococcus halophilus (Pediococcus halophilus) Tetragenococcus koreensis 1 Tetragenococcus koreensis 1 Tetragenococcus muriaticus Tetragenococcus solitarius (Enterococcus solitarius) TETRASPHAERA Tetrasphaera australiensis 1 Tetrasphaera duodecadis (Arthrobacter duodecadis) Tetrasphaera elongata 1 Tetrasphaera japonica 1 Tetrasphaera jenkinsii Tetrasphaera jenkinsii Tetrasphaera vanveenii Tetrasphaera vanveenii Tetrasphaera vanveenii Tetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis Tetrathiobacter mimigardefordensis THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Tessaracoccus bendigoensis	1				
Tetragenococcus halophilus (Pediococcus halophilus) Fetragenococcus koreensis Fetragenococcus koreensis Fetragenococcus muriaticus Fetragenococcus solitarius (Enterococcus solitarius) Fetrasphaera (Enterococcus solitarius) Fetrasphaera australiensis Fetrasphaera australiensis Fetrasphaera duodecadis (Arthrobacter duodecadis) Fetrasphaera elongata Fetrasphaera japonica Fetrasphaera jenkinsii Fetrasphaera remsis Fetrasphaera vanveenii Fetrasphaera vanveenii Fetrasphaera veronensis Fetrasphaera veronensis Fetrathiobacter kashmirensis Fetrathiobacter kashmirensis Fetrathiobacter mimigardefordensis Fitalassobacillus devorans France Halassobacter France Hala	Γessaracoccus flavescens	1				
Fetragenococcus koreensis Fetragenococcus muriaticus Fetragenococcus muriaticus Fetragenococcus solitarius (Enterococcus solitarius) Fetragenococcus muriaticus Fetragenococcus muriaticus Fetragenococcus muriaticus Fetragenococcus muriaticus Fetragenococcus muriaticus Fetrasphaera australiensis Fetrasphaera australiensis Fetrasphaera duodecadis (Enterococcus solitarius) Fetrasphaera duodecadis (Arthrobacter duodecadis) Fetrasphaera duodecadis (Arthrobacter duodecadis) Fetrasphaera elongata Fetrasphaera elongata Fetrasphaera elongata Fetrasphaera ipaponica Fetrasphaera japonica Fetrasphaera remsis Fetrasphaera remsis Fetrasphaera vanveenii Fetrasphaera vanveenii Fetrasphaera vanveenii Fetrasphaera veronensis Fetrasphaera veronensis Fetrathiobacter kashmirensis Fetrathiobacter kashmirensis Fetrathiobacter mimigardefordensis Fetrathiobacter mimigardefordensis Fetrathiobacter mimigardefordensis Fetrathiobacter mimigardefordensis Fetrasphaera veronensis Fetras	TETRAGENOCOCCUS					
Tetragenococcus muriaticus Tetragenococcus solitarius (Enterococcus solitarius) TETRASPHAERA Tetrasphaera australiensis Tetrasphaera duodecadis (Arthrobacter duodecadis) Tetrasphaera elongata Tetrasphaera japonica Tetrasphaera japonica Tetrasphaera jenkinsii Tetrasphaera remsis Tetrasphaera vanveenii Tetrasphaera vanveenii Tetrasphaera veronensis TETRATHIOBACTER Tetrathiobacter kashmirensis Tetrathiobacter mimigardefordensis Thalassobacillus devorans THALASSOBACTER	Tetragenococcus halophilus (Pediococcus halophilus)	1				
Tetrasphaera australiensis 1 1 1 1 TETRASPHAERA Tetrasphaera australiensis 1 Tetrasphaera duodecadis (Arthrobacter duodecadis) 1 Tetrasphaera elongata 1 Tetrasphaera japonica 1 Tetrasphaera jenkinsii 1 Tetrasphaera remsis 1 Tetrasphaera vanveenii 1 Tetrasphaera vanveenii 1 Tetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis 1 Tetrathiobacter mimigardefordensis 1 THALASSOBACILLUS THALASSOBACTER	Tetragenococcus koreensis	1				
TETRASPHAERA Fetrasphaera australiensis Fetrasphaera duodecadis (Arthrobacter duodecadis) Fetrasphaera elongata Fetrasphaera japonica Fetrasphaera japonica Fetrasphaera jenkinsii Fetrasphaera remsis Fetrasphaera vanveenii Fetrasphaera vanveenii Fetrasphaera veronensis Fetrathiobacter kashmirensis Fetrathiobacter mimigardefordensis	Tetragenococcus muriaticus	1				
Tetrasphaera australiensis 1 Fetrasphaera duodecadis (Arthrobacter duodecadis) 1 Fetrasphaera elongata 1 Fetrasphaera japonica 1 Fetrasphaera jenkinsii 1 Fetrasphaera remsis 1 Fetrasphaera remsis 1 Fetrasphaera vanveenii 1 Fetrasphaera vanveenii 1 Fetrasphaera veronensis 1 Fetrathiobacter kashmirensis 1 Fetrathiobacter mimigardefordensis 1 Finalassobacillus Thalassobacillus devorans 1 Finalassobacter Thalassobacter Thalassobac	Tetragenococcus solitarius (Enterococcus solitarius)	1				+
Tetrasphaera duodecadis (Arthrobacter duodecadis) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TETRASPHAERA					
Tetrasphaera elongata 1 Cetrasphaera japonica 1 Cetrasphaera jenkinsii 1 Cetrasphaera remsis 1 Cetrasphaera vanveenii 1 Cetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis 1 Cetrathiobacter mimigardefordensis 1 CHALASSOBACILLUS THALASSOBACILLUS THALASSOBACTER	Гetrasphaera australiensis	1				
Tetrasphaera japonica 1 Tetrasphaera jenkinsii 1 Tetrasphaera remsis 1 Tetrasphaera vanveenii 1 Tetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis 1 Tetrathiobacter mimigardefordensis 1 THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Гetrasphaera duodecadis (Arthrobacter duodecadis)	1				
Tetrasphaera jenkinsii 1 Tetrasphaera remsis 1 Tetrasphaera vanveenii 1 Tetrasphaera veronensis 1 Tetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis 1G Tetrathiobacter mimigardefordensis 1G THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Гetrasphaera elongata	1				
Γetrasphaera remsis 1 Γetrasphaera vanveenii 1 Γetrasphaera veronensis 1 TETRATHIOBACTER 1G Γetrathiobacter kashmirensis 1G Γetrathiobacter mimigardefordensis 1G THALASSOBACILLUS 1 Γ'halassobacillus devorans 1 THALASSOBACTER 1	Гetrasphaera japonica	1				
Γetrasphaera vanveenii 1 Γetrasphaera veronensis 1 TETRATHIOBACTER Fetrathiobacter kashmirensis 1G Fetrathiobacter mimigardefordensis 1G THALASSOBACILLUS Fhalassobacillus devorans 1 ΓHALASSOBACTER 1	Гetrasphaera jenkinsii	1				
Tetrasphaera veronensis 1 TETRATHIOBACTER Tetrathiobacter kashmirensis 1 ^G Tetrathiobacter mimigardefordensis 1 ^G THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Гetrasphaera remsis	1				
TETRATHIOBACTER Tetrathiobacter kashmirensis Tetrathiobacter mimigardefordensis THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Tetrasphaera vanveenii	1				
Γetrathiobacter kashmirensis 1G Γetrathiobacter mimigardefordensis 11G ΓHALASSOBACILLUS Γhalassobacillus devorans 1 ΓHALASSOBACTER	Tetrasphaera veronensis	1				
Γetrathiobacter mimigardefordensis 1G ΓHALASSOBACILLUS Γhalassobacillus devorans 1 ΓHALASSOBACTER	TETRATHIOBACTER					
THALASSOBACILLUS Thalassobacillus devorans 1 THALASSOBACTER	Tetrathiobacter kashmirensis	1^{G}				
Thalassobacillus devorans 1 THALASSOBACTER	Tetrathiobacter mimigardefordensis	1^{G}				
THALASSOBACTER	THALASSOBACILLUS					
	Thalassobacillus devorans	1				
Thalassobacter stenotrophicus 1	THALASSOBACTER					
	Thalassobacter stenotrophicus	1				

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk g	roup		
Species	1	2	3	4	Notes
THALASSOBACULUM				•	
Thalassobaculum litoreum	1				
THALASSOBIUS					
Thalassobius aestuarii	1				
Thalassobius gelatinovorus					
(Ruegeria gelatinovorans, Agrobacterium gelatinovorum)	1				
Thalassobius mediterraneus	1				
THALASSOCOCCUS					
Thalassococcus halodurans	1				
THALASSOLITUUS					
Thalassolituus oleivorans	1				
THALASSOMONAS					
Thalassomonas agarivorans	1				
Thalassomonas ganghwensis	1				
Thalassomonas loyana	1				n
Thalassomonas viridans	1				
THALASSOSPIRA					
Thalassospira lucentensis	1				
Thalassospira profundimaris	1				
Thalassospira tepidiphila	1				
Thalassospira xiamenensis	1				
THAUERA					
Thauera aminoaromatica	1				
Thauera aromatica	1				
Thauera buckelii	1				
Thauera chlorobenzoica	1				
Thauera linaloolentis	1				
Thauera mechernichensis	1				
Thauera phenylacetica	1				
Thauera selenatis	1				
Thauera terpenica	1				
THERMACETOGENIUM					
Thermacetogenium phaeum	1				
THERMAEROBACTER					
Thermaerobacter litoralis	1				
Thermaerobacter marianensis	1				
Thermaerobacter nagasakiensis	1				
Thermaerobacter subterraneus	1				
THERMANAEROMONAS					
Thermanaeromonas toyohensis	1				
THERMANAEROVIBRIO					
Thermanaerovibrio acidaminovorans (Selenomonas acidaminovorans)	1				
Thermanaerovibrio velox	1				

Genera		Risk group				
Species	1	2	3	4	Notes	
THERMICANUS	4					
Thermicanus aegyptius	1					
THERMINCOLA						
Thermincola carboxydiphila	1					
Thermincola ferriacetica	1					
THERMITHIOBACILLUS						
Thermithiobacillus tepidarius (Thiobacillus tepidarius)	1					
THERMOACTINOMYCES						
Thermoactinomyces candidus – synonym: Thermoactinomyces vulgaris						
Thermoactinomyces dichotomicus → Thermoflavimicrobium dichotomicum						
	1					
Thermoactinomyces intermedius	1					
Thermoactinomyces peptonophilus → Seinonella peptonophila						
Thermoactinomyces putidus → Laceyella putida						
Thermoactinomyces sacchari → Laceyella sacchari						
Thermoactinomyces thalpophilus – synonym:						
Thermoactinomyces sacchari Thermoactinomyces vulgaris	1				+	
,						
THERMOANAEROBACTER						
Thermoanaerobacter acetoethylicus (Thermobacteroides acetoethylicus)	1					
Thermoanaerobacter brockii subsp. brockii						
(Thermoanaerobium brockii)	1					
Thermoanaerobacter brockii subsp. finnii (Thermoanaerobacter finnii)	1					
Thermoanaerobacter brockii subsp. lactiethylicus	1					
Thermoanaerobacter ethanolicus	1					
Thermoanaerobacter finnii → Thermoanaerobacter brockii subsp. finnii						
Thermoanaerobacter italicus	1					
Thermoanaerobacter kivui (Acetogenium kivui)	1					
Thermoanaerobacter mathranii						
→ Thermoanaerobacter mathranii subsp. mathranii						
Thermoanaerobacter mathranii subsp. alimentarius	1					
Thermoanaerobacter mathranii subsp. mathranii						
(Thermoanaerobacter mathranii)	1					
Thermoanaerobacter pseudethanolicus	1					
Thermoanaerobacter siderophilus	1					
Thermoanaerobacter subterraneus	1					
Thermoanaerobacter sulfurigignens	1					
Thermoanaerobacter sulfurophilus	1					
Thermoanaerobacter tengcongensis	1					
Thermoanaerobacter thermocopriae (Clostridium thermocopriae)	1					
Thermoanaerobacter thermohydrosulfuricus (Clostridium thermohydrosulfuricum)	1					
Thermoanaerobacter wiegelii	1					
Thermoanaerobacter yonseiensis	1					
THERMOANAEROBACTERIUM	4					
Thermoanaerobacterium aciditolerans	1					
Thermoanaerobacterium aotearoense	1					

Genera		Risk	group		™ T _ 4
Species	1	2	3	4	Notes
Thermoanaerobacterium polysaccharolyticum					
→ Caldanaerobius polysaccharolyticus					
Thermoanaerobacterium saccharolyticum	1				
Thermoanaerobacterium thermosaccharolyticum	1				
(Clostridium thermosaccharolyticum)					
Thermoanaerobacterium thermosulfurigenes	1				
(Clostridium thermosulfurogenes)					
Thermoanaerobacterium xylanolyticum	1				
Thermoanaerobacterium zeae → Caldanaerobius zeae					
THERMOANAEROBIUM → THERMOANAEROBACTER resp. CALDICELLULOSIRUPTOR					
Thermoanaerobium acetigenum → Caldicellulosiruptor acetigenus					
Thermoanaerobium brockii →					
Thermoanaerobacter brockii subsp. brockii					
THERMOBACILLUS					
Thermobacillus composti	1				
Thermobacillus xylanilyticus	1				
THERMOBACTEROIDES					
Thermobacteroides acetoethylicus					
→ Thermoanaerobacter acetoethylicus					
Thermobacteroides leptospartum					
→ Clostridium stercorarium subsp. leptospartum					
Thermobacteroides proteolyticus → Coprothermobacter proteolyticus					
THERMOBIFIDA					
Thermobifida alba (Thermomonospora alba)	1				
Thermobifida cellulosilytica	1				
Thermobifida fusca (Thermomonospora fusca)	1				
THERMOBISPORA					
Thermobispora bispora (Microbispora bispora)	1				
THERMOBRACHIUM					
Thermobrachium celere	1				
THERMOCHROMATIUM					
Thermochromatium tepidum (Chromatium tepidum)	1				
THERMOCLADIUM					
Thermocladium modestius	1				
THERMOCOCCUS					
Thermococcus acidaminovorans	1				
Thermococcus aegaeus	1				
Thermococcus aggregans	1				
Thermococcus alcaliphilus	1				
Thermococcus atlanticus	1				
Thermococcus barophilus	1				
Thermococcus barossii	1				

Genera	Risk group				
Species	1	2	3	4	Notes
Thermococcus celer	1				
Thermococcus celericrescens	1				
Thermococcus chitonophagus	1				
Thermococcus coalescens	1				
Thermococcus fumicolans	1				
Γhermococcus gammatolerans	1				
Thermococcus gorgonarius	1				
Thermococcus guaymasensis	1				
Thermococcus hydrothermalis	1				
Thermococcus kodakarensis	1				
Thermococcus litoralis	1				
Thermococcus pacificus	1				
Thermococcus petenophilus	1				
Thermococcus profundus	1				
Thermococcus sibiricus	1				
Thermococcus siculi	1				
Thermococcus stetteri	1				
Thermococcus thioreducens	1				
	1				
Thermococcus waiotapuensis	1				
Thermococcus zilligii	1				
THERMOCRINIS					
l'hermocrinis albus	1				
Thermocrinis ruber	1				
THERMOCRISPUM					
Thermocrispum agreste	1				
l'hermocrispum municipale	1				
THERMODESULFATATOR					
Thermodesulfatator indicus	1				
Thermodesariatator indicas	1				
THERMODESULFOBACTERIUM					
l'hermodesulfobacterium commune	1				
l'hermodesulfobacterium hveragerdense	1				
Thermodesulfobacterium hydrogeniphilum	1				
Thermodesulfobacterium mobile (Desulfovibrio thermophilus)					
- synonym: Thermodesulfobacterium thermophilum					
Thermodesulfobacterium thermophilum	1				
ГНЕRMODESULFOBIUM					
Thermodesulfobium narugense	1				
	-				
THERMODESULFORHABDUS					
Thermodesulforhabdus norvegica	1				
THERMODESULFOVIBRIO					
Thermodesulfovibrio islandicus	1				
Thermodesulfovibrio yellowstonii	1				
THERMODISCUS					
T HERMODISCUS Thermodiscus maritimus	1				
± 1201 TIPO OFFICE OF THE OFFICE OFFI	1				

Genera	Risk group			Risk group			
Species	1	2	3	4	Notes		
THERMOFILUM							
Thermofilum pendens	1						
THERMOFLAVIMICROBIUM							
Thermoflavimicrobium dichotomicum							
(Thermoactinomyces dichotomicus)	1				+		
THERMOGYMNOMONAS							
Thermogymnomonas acidicola	1						
THERMOHALOBACTER							
Thermohalobacter berrensis	1						
THERMOHYDROGENIUM							
Thermohydrogenium kirishiense	1						
THERMOLEOPHILUM							
Thermoleophilum album	1						
Thermoleophilum minutum	1						
THERMOLITHOBACTER							
Thermolithobacter carboxydivorans	1						
Thermolithobacter ferrireducens	1						
THERMOMICROBIUM							
Thermomicrobium fosteri	1						
Thermomicrobium roseum	1						
THERMOMONAS							
Thermomonas brevis	1						
Thermomonas fusca	1						
Thermomonas haemolytica	1						
Thermomonas hydrothermalis	1						
Thermomonas koreensis	1						
THERMOMONOSPORA							
Thermomonospora alba → Thermobifida alba							
Thermomonospora chromogena	1						
Thermomonospora curvata	1						
Thermomonospora formosensis → Actinomadura formosensis							
Thermomonospora fusca → Thermobifida fusca							
Thermomonospora mesophila → Microbispora mesophila							
Thermomonospora mesouviformis – synonym:							
Thermomonospora alba → Thermobifida alba							
THERMONEMA							
Thermonema lapsum	1						
Thermonema rossianum	1						
THERMOPLASMA							
Thermoplasma acidophilum	1						
Thermoplasma volcanium	1						

Genera		Risk group		Notes
Species	1	2 3	4	Notes
THERMOPOLYSPORA				
Thermopolyspora flexuosa				
(Nonomuraea flexuosa, Actinomadura flexuosa,				
Microtetraspora flexuosa)	1			
THERMOPROTEUS				
Thermoproteus neutrophilus	1			
Thermoproteus tenax	1			
Thermoproteus uzoniensis	1			
THERMOSEDIMINIBACTER				
Thermosediminibacter litoriperuensis	1			
Thermosediminibacter oceani	1			
THERMOSINUS				
Thermosinus carboxydivorans	1			
2. Como outo on otalio	1			
THERMOSIPHO				
Thermosipho africanus	1			
Thermosipho atlanticus	1			
Thermosipho geolei	1			
Thermosipho japonicus	1			
Thermosipho melanesiensis	1			
THERMOSPHAERA				
Thermosphaera aggregans	1			
THERMOSULFIDIBACTER				
Thermosulfidibacter takaii	1			
THERMOSYNTROPHA				
Thermosyntropha lipolytica	1			
THERMOTERRABACTERIUM → CARBOXYDOTHERMUS				
Thermoterrabacterium ferrireducens →				
Carboxydothermus ferrireducens				
THERMOTHRIX				
Thermothrix azorensis	1			
Thermothrix thiopara	1			
THERMOTOGA				
Thermotoga elfii	1			
Thermotoga hypogea	1			
Thermotoga lettingae	1			
Thermotoga maritima	1			
Thermotoga naphthophila	1			
Thermotoga neapolitana	1			
Thermotoga neaponama Thermotoga petrophila	1			
Thermotoga petroprima Thermotoga subterranea	1			
Thermotoga thermarum	1			
THERMOVENABULUM				
Thermovenabulum ferriorganovorum	1			
O				

Genera		Risk group		
Species	1	2 3	4	Notes
THERMOVIBRIO	4			
Thermovibrio ammonificans	1			
Thermovibrio guaymasensis	1			
Thermovibrio ruber	1			
THERMOVIRGA				
Thermovirga lienii	1			
THERMUS				
Thermus antranikianii	1			
Thermus aquaticus	1			
Thermus brockianus	1			
Thermus chliarophilus → Meiothermus chliarophilus				
Thermus filiformis	1			
Thermus igniterrae	1			
Thermus oshimai	1			
Thermus ruber → Meiothermus ruber				
Thermus scotoductus	1			
Thermus silvanus → Meiothermus silvanus	•			
Thermus thermophilus	1			
THIOALKALICOCCUS				
Thioalkalicoccus limnaeus	1			
THIOALKALIMICROBIUM				
Thioalkalimicrobium aerophilum	1			
Thioalkalimicrobium cyclicum	1			
Thioalkalimicrobium microaerophilum	1			
Thioalkalimicrobium sibiricum	1			
THIOALKALISPIRA				
Thioalkalispira microaerophila	1			
THIOALKALIVIBRIO				
Thioalkalivibrio denitrificans	1			
Thioalkalivibrio halophilus	1			
Thioalkalivibrio jannaschii	1			
Thioalkalivibrio nitratireducens	1			
Thioalkalivibrio nitratis	1			
Thioalkalivibrio paradoxus	1			
Thioalkalivibrio thiocyanodenitrificans	1			
Thioalkalivibrio thiocyanoxidans	1			
Thioalkalivibrio versutus	1			
THIOBACA				
Thiobaca trueperi	1			
THIOBACILLUS				
Thiobacillus acidophilus → Acidiphilium acidophilum				
Thiobacillus albertis → Acidithiobacillus albertensis				
Thiobacillus aquaesulis Thiobacillus aquaesulis	1			
	1			
Thiobacillus caldus → Acidithiobacillus caldus				

Genera		Risk gr	ດນກ		
Species	1	2	3	4	Notes
Thiobacillus concretivorus – synonym: Acidithiobacillus thiooxidans				•	
Thiobacillus delicatus → Thiomonas delicata					
Thiobacillus denitrificans	1				
Thiobacillus ferrooxidans → Acidithiobacillus ferrooxidans					
Thiobacillus halophilus → Halothiobacillus halophilus					
Thiobacillus hydrothermalis → Halothiobacillus hydrothermalis					
Thiobacillus intermedius → Thiomonas intermedia					
Thiobacillus neapolitanus → Halothiobacillus neapolitanus					
Thiobacillus novellus → Starkeya novella					
Thiobacillus perometabolis → Thiomonas perometabolis					
Thiobacillus rapidicrescens → Paracoccus versutus					
Thiobacillus tepidarius → Thermithiobacillus tepidarius					
Thiobacillus thermosulfatus → Thiomonas thermosulfata					
Thiobacillus thiooxidans → Acidithiobacillus thiooxidans	4				
Thiobacillus thioparus	1				
Thiobacillus thyasiris → Thiomicrospira thyasirae					
Thiobacillus versutus → Paracoccus versutus					
THIOBACTER					
Thiobacter subterraneus	1				
THIOBACTERIUM					
Thiobacterium bovistum	1				
THIOCAPSA					
Thiocapsa halophila → Thiohalocapsa halophila					
Thiocapsa litoralis	1				
Thiocapsa marina	1				
Thiocapsa pendens (Amoebobacter pendens)	1				
Thiocapsa pfennigii → Thiococcus pfennigii	1				
Thiocapsa rosea (Amoebobacter roseus) Thiocapsa roseopersicina	1 1				
Thiocapsa toseopersichia	1				
THIOCLAVA					
Thioclava pacifica	1				
THIOCOCCUS					
Thiococcus pfennigii (Thiocapsa pfennigii)	1				
THIOCYSTIS					
Thiocystis gelatinosa	1				
Thiocystis getatinosa Thiocystis minor (Chromatium minus)	1				
Thiocystis violacea	1				
Thiocystis violascens (Chromatium violascens)	1				
THIODICTYON					
Thiodictyon bacillosum	1				
Thiodictyon elegans	1				
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THIOFLAVICOCCUS					
Thioflavicoccus mobilis	1				

Genera	Risk group				Notes
Species	1	2	3	4	INOICS
THIOHALOCAPSA					
Thiohalocapsa halophila (Thiocapsa halophila)	1				
Thomas capon mary man (Thoughou mary many	1				
THIOHALOMONAS					
Thiohalomonas denitrificans	1				
Thiohalomonas nitratireducens	1				
THIOHALOPHILUS					
Thiohalophilus thiocyanoxidans	1				
THIOHALOSPIRA					
Thiohalospira alkaliphila	1				
Thiohalospira halophila	1				
THIOLAMPROVUM					
Thiolamprovum pedioforme (Amoebobacter pedioformis)	1				
THIOMARGARITA	4				
Thiomargarita namibiensis	1				
THIOMICROSPIRA					
Thiomicrospira arctica	1				
Thiomicrospira chilensis	1				
Thiomicrospira crunogena	1				
Thiomicrospira denitrificans → Sulfurimonas denitrificans					
Thiomicrospira frisia	1				
Thiomicrospira halophila	1				
Thiomicrospira kuenenii	1				
Thiomicrospira pelophila	1				
Thiomicrospira psychrophila	1				
Thiomicrospira thermophila	1				
Thiomicrospira thyasirae (Thiobacillus thyasiris)	1				
THIOMONAS					
Thiomonas cuprina ("Thiobacillus cuprinus")	1				
Thiomonas delicata (Thiobacillus delicatus)	1				
Thiomonas intermedia (Thiobacillus intermedius)	1				
Thiomonas perometabolis (Thiobacillus perometabolis)	1				
Thiomonas thermosulfata (Thiobacillus thermosulfatus)	1				
THIOPEDIA					
Thiopedia rosea	1				
THIOPLOCA					
Thioploca araucae	1				
Thioploca chileae	1				
Thioploca ingrica	1				
Thioploca schmidlei	1				
THIOREDUCTOR					
Thioreductor micantisoli	1				

1	Genera		group	up			
### THORHODOCOCCUS Thiorhodococcus bheenicus Thiorhodococcus kakinadensis 1 Thiorhodococcus kakinadensis 1 Thiorhodococcus mannichiphagus 1 Thiorhodococcus minor 1 #### THORHODOSPIRA Thiorhodococcus minor THORHODOSPIRA Thiorhodococcus minor THORHODOVIBRIO Thiorhodovibrio winogradskyi 1 #### THORHODOVIBRIO Thiorhodovibrio winogradskyi 1 #### THOSPHAERA → PARACOCCUS Thiosphara pantotropha → Paracoccus pantotrophus ##### THOSPIRA Thiospirillum Thiospirillum Thiospirillum jenense 1 #### THOSPIRILLUM Thiospirillum jenense 1 #### THOPHIX Thiothrix disciformis 1 #### Thiothrix disciformis 1 #### Thiothrix disciformis 1 #### Thiothrix flexilis 1 #### THOVINGA Thiothrix unzii 1 #### THOVILUM Thiovulum majus 1 #### THOVULUM Thiovulum majus 1 #### THORSELLIA Thioselia anophelis 1 #### THORSELLIA Tissierella reatainophila 1 ##### Tissierella creatainophila 1 ##### Tissierella creatainophila 1 ##### Tissierella creatainophila 1 ##################################		1	-		4	Notes	
Thiorhodococcus bakeniacus	-		_		<u> </u>		
Thiorhodococcus mannitoliphagus Thiorhodococcus minor THIORHODOSPIRA Thiorhodospira sibirica THIORHODOVIBRIO Thiorhodospira sibirica THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi 1 THIOSPIRILUM Thiospiral winogradskyi 1 THIOSPIRILUM Thiospirally incense 1 THIOTHIX Thiothrix defluvii 1 Thiothrix defluvii 1 Thiothrix defluvii 1 Thiothrix election 1 Thiothrix election 1 Thiothrix invea 1 Thiothrix nivea 1 Thiothrix mivea 1 Thiothrix mivea 1 THIOVIRGA Thiovings suffiroxydans 1 THIOVIRGA Thiovings suffiroxydans 1 THIOVILUM Thiovinglia californiensis 1 THIONICA THIOSELLIA Thiodalia anapadiensis 1 TINDALLIA Tissierella creatinophila Tissierella creatinophila Tissierella creatinophila Tissierella creatinophila Tissierella preaecuta (Bacteroides praeacutus) 2 International trip in the state of the properties of		1					
Thiorhodococcus mannitoliphagus Thiorhodococcus minor THIORHODOSPIRA Thiorhodospira sibirica THIORHODOVIBRIO Thiorhodospira sibirica THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi 1 THIOSPIRILUM Thiospiral winogradskyi 1 THIOSPIRILUM Thiospirally incense 1 THIOTHIX Thiothrix defluvii 1 Thiothrix defluvii 1 Thiothrix defluvii 1 Thiothrix election 1 Thiothrix election 1 Thiothrix invea 1 Thiothrix nivea 1 Thiothrix mivea 1 Thiothrix mivea 1 THIOVIRGA Thiovings suffiroxydans 1 THIOVIRGA Thiovings suffiroxydans 1 THIOVILUM Thiovinglia californiensis 1 THIONICA THIOSELLIA Thiodalia anapadiensis 1 TINDALLIA Tissierella creatinophila Tissierella creatinophila Tissierella creatinophila Tissierella creatinophila Tissierella preaecuta (Bacteroides praeacutus) 2 International trip in the state of the properties of		1					
THIORHODOSPIRA Thiorhodospira sibirica 1 THIORHODOVIBRIO Thiorhodovibrio vinogradskyi 1 THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospirallum jenense 1 THIOSPIRILLUM Thiopspirallum jenense 1 Thiothrix defluvi 1 Thiothrix defluvi 1 Thiothrix disciformis 1 Thiothrix flexilis 1 Thiothrix flexilis 1 Thiothrix Intercosvorans 1 Thiothrix Intercosvorans 1 Thiothrix unzii 1 THIOVIRGA Thiovinga sulfuroxydans 1 THOVIUM Thiovinga sulfuroxydans 1 THONSELLIA Thorsellia anophelis 1 TINDALLIA Tindallia californiensis 1 TINDALLIA Tinsierella creatinophila 1 Tissierella preaecuta (Bacteroides praeacutus) 2 htt		1					
Thiorhodospira sibirica THIORHODOVIBRIO Thiorhodovibrio winogradskyi THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi THIOSPIRILUM Thiospirillum jenense 1 THOTHRIX Thiothrix desiformis 1 Thiothrix disciformis 1 Thiothrix disciformis 1 Thiothrix disciformis 1 Thiothrix nivea Thiothrix nivea Thiothrix nivea Thiothrix unzii THIOVIRGA Thioviga sulfuroxydans THIOVIUM Thiovellum majus THIOVULUM Thiovellia anophelis 1 TINDALLIA Tindallia californiensis 1 Tindallia magadiensis 1 TISSIERELLA Tissierella creatinophila Tissierella praeacuta (Bacteroides praeacutus) TISTRELLA TISTRELA TISTRE		1					
Thiorhodospira sibirica THIORHODOVIBRIO Thiorhodovibrio winogradskyi THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi THIOSPIRILUM Thiospirillum jenense 1 THOTHRIX Thiothrix desiformis 1 Thiothrix disciformis 1 Thiothrix disciformis 1 Thiothrix disciformis 1 Thiothrix nivea Thiothrix nivea Thiothrix nivea Thiothrix unzii THIOVIRGA Thioviga sulfuroxydans THIOVIUM Thiovellum majus THIOVULUM Thiovellia anophelis 1 TINDALLIA Tindallia californiensis 1 Tindallia magadiensis 1 TISSIERELLA Tissierella creatinophila Tissierella praeacuta (Bacteroides praeacutus) TISTRELLA TISTRELA TISTRE							
THIORHODOVIBRIO Thiorhodovibrio winogradskyi 1 THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi 1 THIOSPIRILLUM Thiospirallum jenense 1 THIOTHRIX Thiothrix defluvii 1 Thiothrix desleboomii 1 Thiothrix disciformiis 1 Thiothrix fiexilis 1 Thiothrix nivea 1 Thiothrix nivea 1 Thiothrix nivea 1 Thiothrix unzii 1 THIOVINGA Thiovinga sulfaroxydans 1 THOVULUM Thiovislia anophelis 1 THOSELLIA Thosellia anophelis 1 TINDALLIA Tindallia californiensis 1 Tinsierella creatinini 1 Tissierella creatinini 1 Tissierella creatinini 1 Tissierella creatinini 1 Tissierella praeacuta (Bacteroides praeacutus) 2 htt							
Thiorhodovibrio winogradskyi THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi 1 THIOSPIRILLUM Thiospirillum jenense 1 THIOTHRIX Thiothrix defluvii Thiothrix defluvii Thiothrix defluvii Thiothrix flexilis 1 Thiothrix flexilis 1 Thiothrix flexilis 1 Thiothrix fructosivorans 1 Thiothrix unzii THIOVIRGA Thiovinga sulfuroxydans 1 THOVULUM Thiovulum majus 1 THONSELLIA Throsellia anophelis 1 TINDALLIA Tindallia magadiensis 1 TISSIERELLA Tissierella creatinophila Tissierella praeacuta (Bacteroides praeacutus) TOLUMONAS	Thiorhodospira sibirica	1					
Thiorhodovibrio winogradskyi THIOSPHAERA → PARACOCCUS Thiosphaera pantotropha → Paracoccus pantotrophus THIOSPIRA Thiospira winogradskyi 1 THIOSPIRILLUM Thiospirillum jenense 1 THIOTHRIX Thiothrix defluvii Thiothrix defluvii Thiothrix defluvii Thiothrix flexilis 1 Thiothrix flexilis 1 Thiothrix flexilis 1 Thiothrix fructosivorans 1 Thiothrix unzii THIOVIRGA Thiovinga sulfuroxydans 1 THOVULUM Thiovulum majus 1 THONSELLIA Throsellia anophelis 1 TINDALLIA Tindallia magadiensis 1 TISSIERELLA Tissierella creatinophila Tissierella praeacuta (Bacteroides praeacutus) TOLUMONAS	THIORHODOVIBRIO						
THIOSPIRA THIOSPIRILLUM THIOSPIRILLUM Thiospirillum jenense 1 THIOTHRIX Thiothrix defluvii 1 Thiothrix delivoii 1 Thiothrix eileboomii 1 Thiothrix fivetosivorans 1 Thiothrix invea 1 Thiothrix invea 1 Thiothrix unzii 1 THIOVIRGA Thioviriga sulfuroxydans 1 THIOVULUM Thiovirida in anophelis 1 THOVILLIA TINDALLIA TINDALLIA Tindallia californiensis 1 Tindallia regatinni 1 Tinssierella creatinni 1 Tissierella creatinophila 1 Tissierella praeacuta (Bacteroides praeacutus) 2 TISTRELLA mobilis 1 TOLUMONAS		1					
THIOSPIRA THIOSPIRILLUM THIOSPIRILLUM Thiospirillum jenense 1 THIOTHRIX Thiothrix defluvii 1 Thiothrix delivoii 1 Thiothrix eileboomii 1 Thiothrix fivetosivorans 1 Thiothrix invea 1 Thiothrix invea 1 Thiothrix unzii 1 THIOVIRGA Thioviriga sulfuroxydans 1 THIOVULUM Thiovirida in anophelis 1 THOVILLIA TINDALLIA TINDALLIA Tindallia californiensis 1 Tindallia regatinni 1 Tinssierella creatinni 1 Tissierella creatinophila 1 Tissierella praeacuta (Bacteroides praeacutus) 2 TISTRELLA mobilis 1 TOLUMONAS	THIOSPHAERA → PARACOCCUS						
Thiospira winogradskyi THIOSPIRILLUM Thiospirillum jenense 1 THIOTHRIX Thiothrix defluvii 1 Thiothrix defluvii 1 Thiothrix disciformis 1 Thiothrix flexilis 1 Thiothrix fuctosivorans 1 Thiothrix rivea 1 Thiothrix nivea 1 Thiothrix unzii 1 THIOVIRGA Thiovinga sulfuroxydans 1 THIOVULUM Thiovilia Thiovalia Thiothrix THIOVILIA Thiothrix TINDALLIA Tindallia californiensis 1 TINDALLIA Tindallia californiensis 1 TISSIERELLA Tissierella creatinophila 1 Tissierella praeacuta (Bacteroides praeacutus) 1 TISTRELLA Tistrella mobilis 1 TISTRELLA Tistrella mobilis 1 TOLUMONAS							
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Tissierella praeacuta (Bacteroides praeacutus) 2 ht TISTRELLA Tistrella mobilis 1 TOLUMONAS							
TISTRELLA Tistrella mobilis 1 TOLUMONAS		1	2			1 .	
Tistrella mobilis 1 TOLUMONAS	Tissierella praeacuta (Bacteroides praeacutus)		2			nt	
TOLUMONAS							
	Tistrella mobilis	1					
	TOLUMONAS						
		1					

Genera		Risk	Risk group		
Species	1	2	3	4	Notes
TOXOTHRIX					
Toxothrix trichogenes	1				
TRABULSIELLA					
Trabulsiella guamensis	1				
Trabulsiella odontotermitis	1				
TREPONEMA					
Treponema amylovorum		2			
Treponema azotonutricium	1				
Treponema berlinense	1				
Treponema brennaborense		2			t
Treponema bryantii	1				
Treponema carateum		2			
Treponema denticola		2			ht
Treponema hyodysenteriae → Brachyspira hyodysenteriae					
Treponema innocens → Brachyspira innocens					
Treponema isoptericolens	1				
Treponema lecithinolyticum	_	2			
Treponema maltophilum		2			
Treponema medium		2			
Treponema minutum	1	_			
Treponema pallidum	-	2			
Treponema paraluiscuniculi		2			t
Treponema parvum		2			
Treponema pectinovorum		2			
Treponema pertenue		2			
Treponema phagedenis	1	_			
Treponema porcinum	1				
Treponema primitia	1				
Treponema putidum	1	2			
Treponema refringens	1	_			
Treponema saccharophilum	1				
Treponema scoliodontum	1				+
Treponema socranskii subsp. buccale	1	2			
Treponema socranskii subsp. paredis		2			
Treponema socranskii subsp. socranskii		2			
Treponema succinifaciens	1	_			
Treponema vincentii	1	2			
TRICHLOROBACTER → GEOBACTER					
Trichlorobacter thiogenes → Geobacter thiogenes					
TRICHOCOCCUS					
Trichococcus collinsii	1				
Trichococcus flocculiformis	1				
Trichococcus palustris (Ruminococcus palustris)	1				
Trichococcus pasteurii	-				
(Lactosphaera pasteurii, Ruminococcus pasteurii)	1				
(Lactosphacia pasteum, Rummoeoccus pasteum)					

Genera		Risk group		NT-4
Species	1	2 3	4	Notes
Tropheryma whipplei		2		
TRUEPERA				
Truepera radiovictrix	1			
TSUKAMURELLA				
Tsukamurella inchonensis		2		
Tsukamurella paurometabola (Corynebacterium paurometabolum)	1	_		+
Tsukamurella pseudospumae	1			
Tsukamurella pulmonis	_	2		
Tsukamurella spongiae	1	_		
Tsukamurella spumae	1			
Tsukamurella strandjordae	1			+
Tsukamurella tyrosinosolvens		2		
Tsukamurella wratislaviensis → Rhodococcus wratislaviensis		_		
TUBERIBACILLUS				
Tuberibacillus calidus	1			
TUMEBACILLUS				
Tumebacillus permanentifrigoris	1			
Tuniebachius permanenurigons	1			
TURICELLA				
Turicella otitidis		2		
TURICIBACTER				
Turicibacter sanguinis	1			+
TURNERIELLA				
Turneriella parva (Leptospira parva)	1			
Turrencia parva (reprospira parva)	1			
ULIGINOSIBACTERIUM				
Uliginosibacterium gangwonense	1			
ULVIBACTER				
Ulvibacter antarcticus	1			
Ulvibacter litoralis	1			
UMEZAWAEA				
Umezawaea tangerina (Saccharothrix tangerinus)	1			
UNDIBACTERIUM				
Undibacterium pigrum	1			
UREAPLASMA				
Ureaplasma cati	1			
Ureaplasma diversum	1	2		t
Ureaplasma felinum	1	4		ι
Ureaplasma gallorale	1	2		t
Ureaplasma parvum		2		ι
Ureaplasma urealyticum		2		ht
		_		
UREIBACILLUS	4			
Ureibacillus composti	1			

Genera		Risk	group		NT ·
Species	1	2	3	4	Notes
Ureibacillus suwonensis	1				
Ureibacillus terrenus	1				
Ureibacillus thermophilus	1				
Ureibacillus thermosphaericus (Bacillus thermosphaericus)	1				
URUBURUELLA					
Uruburuella suis		2			t
VAGOCOCCUS					
Vagococcus fessus	1				
Vagococcus fluvialis		2			ht
Vagococcus lutrae	1				
Vagococcus salmoninarum	1				t2
VAMPIROVIBRIO					
Vampirovibrio chlorellavorus	1				
VARIBACULUM					
Varibaculum cambriensis		2			
VARIOVORAX					
Variovorax boronicumulans	1				
Variovorax dokdonensis	1				
Variovorax paradoxus (Alcaligenes paradoxus)	1				
Variovorax soli	1				
VEILLONELLA					
Veillonella alcalescens – synonym: Veillonella parvula					
Veillonella alcalescens subsp. alcalescens – synonym: Veillonella parvula					
Veillonella alcalescens subsp. criceti → Veillonella criceti					
Veillonella alcalescens subsp. dispar → Veillonella dispar					
Veillonella alcalescens subsp. ratti → Veillonella ratti					
Veillonella atypica (Veillonella parvula subsp. atypica)	1				+
Veillonella caviae	1				
Veillonella criceti (Veillonella alcalescens subsp. criceti)	1				
Veillonella denticariosi	1				+
Veillonella dispar (Veillonella alcalescens subsp. dispar)	1				+
Veillonella montpellierensis	1				+
Veillonella parvula		2			
Veillonella parvula subsp. atypica → Veillonella atypica					
Veillonella parvula subsp. rodentium → Veillonella rodentium					
Veillonella ratti (Veillonella alcalescens subsp. ratti)	1				
Veillonella rodentium (Veillonella parvula subsp. rodentium)	1				
Veillonella rogosae	1				
VENENIVIBRIO					
Venenivibrio stagnispumantis	1				
VERRUCOMICROBIUM					
Verrucomicrobium spinosum	1				

Genera		Risk	group		Notes
Species	1	2	3	4	INOTES
Verrucosispora gifhornensis	1				
VIBRIO					
Vibrio aerogenes	1				
Vibrio aestuarianus	1				+, n
Vibrio agarivorans	1				,
Vibrio albensis – synonym: Vibrio cholerae	-				
Vibrio alginolyticus = Beneckea alginolytica		2			TA, Z
Vibrio anguillarum → Listonella anguillarum		_			111, 2
Vibrio brasiliensis	1				
Vibrio calviensis	1				
Vibrio campbellii (Beneckea campbellii)	1				
Vibrio carchariae – synonym: Vibrio harveyi	1				
Vibrio chagasii	1				
Vibrio chagash Vibrio cholerae	1	2			Z
Vibrio cincinnatiensis		2			L
Vibrio comitans	1	4			
	1 1				
Vibrio coralliilyticus	1				n
Vibrio costicola → Salinivibrio costicola subsp. costicola	4				
Vibrio crassostreae	1				n
Vibrio cyclitrophicus	1				
Vibrio damsela → Photobacterium damselae subsp. damselae					
Vibrio diabolicus	1				
Vibrio diazotrophicus	1				
Vibrio ezurae	1				
Vibrio fischeri = Photobacterium fischeri → Aliivibrio fischeri					
Vibrio fluvialis		2			Z
Vibrio fortis	1				n
Vibrio furnissii		2			Z
Vibrio gallicus	1				
Vibrio gazogenes (Beneckea gazogenes)	1				
Vibrio gigantis	1				n
Vibrio halioticoli	1				
Vibrio harveyi (Beneckea harveyi, Lucibacterium harveyi)	1^{G}				+, t2
Vibrio hepatarius	1				
Vibrio hispanicus	1				
Vibrio hollisae → Grimontia hollisae					
Vibrio ichthyoenteri	1				t2
Vibrio iliopiscarius → Photobacterium iliopiscarium					
Vibrio inusitatus	1				
Vibrio kanaloae	1				n
Vibrio lentus	1				
Vibrio litoralis	1				
Vibrio logei (Photobacterium logei) → Aliivibrio logei					
Vibrio marinus → Moritella marina					
Vibrio mediterranei	1				
Vibrio metschnikovii	1	2			Z
Vibrio mimicus		2			Z
Vibrio mytili	1	4			L
	1				
Vibrio natriegens (Beneckea natriegens)	1				

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera		Risk group		Notes
Species	1	2 3	4	INOTES
Vibrio navarrensis	1			
Vibrio neonatus	1			
Vibrio neptunius	1			
Vibrio nereis (Beneckea nereida)	1			
Vibrio nigripulchritudo (Beneckea nigripulchritudo)	1			
Vibrio ordalii	1			t2
Vibrio orientalis	1			
Vibrio pacinii	1			
Vibrio parahaemolyticus = Beneckea parahaemolytica		2		Z
Vibrio pectenicida	1			n
Vibrio pelagius → Listonella pelagia				
Vibrio penaeicida	1			n
Vibrio pomeroyi	1			
Vibrio ponticus	1			
Vibrio porteresiae	1			
Vibrio proteolyticus (Aeromonas hydrophila subsp. proteolytica)	1			
Vibrio rarus	1			
Vibrio rhizosphaerae	1			
Vibrio rotiferianus	1			
Vibrio ruber	1			
Vibrio rumoiensis	1			
Vibrio salmonicida → Aliivibrio salmonicida	-			
Vibrio scophthalmi	1			
Vibrio shilonii	1			n
Vibrio sinaloensis	1			n t+
Vibrio splendidus	1	2		t
-		2		ι
Vibrio succinogenes → Wolinella succinogenes	1			
Vibrio superstes	1			_
Vibrio tapetis	1			n
Vibrio tasmaniensis	1			
Vibrio trachuri – synonym: Vibrio harveyi Vibrio tubiashii	1			_
	1			n
Vibrio viscosus → Moritella viscosa				-
Vibrio vulnificus (Beneckea vulnifica)		2		Z
Vibrio wodanis → Aliivibrio wodanis				
Vibrio xuii	1			
VICTIVALLIS				
Victivallis vadensis	1			
victivanis vadensis	1			
VIRGIBACILLUS				
Virgibacillus carmonensis	1			
Virgibacillus chiguensis	1			
Virgibacillus dokdonensis	1			
Virgibacillus halodenitrificans (Bacillus halodenitrificans)	1			
Virgibacillus halophilus	1			
Virgibacillus kekensis	1			
Virgibacillus koreensis	1			
Virgibacillus marismortui				
(Bacillus marismortui, Salibacillus marismortui)	1			
Virgibacillus necropolis	1			
Virgibacillus olivae	1			

Genera		Risk group			Notes
Species	1	2	3	4	Notes
Virgibacillus pantothenticus (Bacillus pantothenticus)	1				
Virgibacillus picturae → Oceanobacillus picturae					
Virgibacillus proomii	1				
Virgibacillus salexigens (Bacillus salexigens, Salibacillus salexigens)	1				
VIRGISPORANGIUM					
Virgisporangium aurantiacum	1				
Virgisporangium ochraceum	1				
VIRIDIBACILLUS					
Viridibacillus arenosi (Bacillus arenosi)	1				
Viridibacillus arvi (Bacillus arvi)	1				
Viridibacillus neidei (Bacillus neidei)	1				
VITELLIBACTER					
Vitellibacter vladivostokensis	1				
VITREOSCILLA					
Vitreoscilla beggiatoides	1				
Vitreoscilla filiformis	1				
Vitreoscilla stercoraria	1				
VOGESELLA					
Vogesella indigofera (Pseudomonas indigofera)	1				
$VOLCANIELLA \rightarrow HALOMONAS$					
Volcaniella eurihalina $ o$ Halomonas eurihalina					
VOLUCRIBACTER					
Volucribacter amazonae		2			t
Volucribacter psittacicida		2			t
VULCANIBACILLUS					
Vulcanibacillus modesticaldus	1				
VULCANISAETA					
Vulcanisaeta distributa	1				
Vulcanisaeta souniana	1				
VULCANITHERMUS					
Vulcanithermus mediatlanticus	1				
WADDLIA					
Waddlia chondrophila		2			t
WANGIA					
Wangia profunda	1				
WAUTERSIA – synonym: CUPRIAVIDUS					
Wautersia basilensis → Cupriavidus basilensis					
Wautersia campinensis → Cupriavidus campinensis					
Wautersia eutropha – synonym: Cupriavidus necator					
Wautersia gilardii → Cupriavidus gilardii					
Shirtan					

Genera			Motor		
Species	1	2	3	4	Notes
Wautersia metallidurans → Cupriavidus metallidurans					
Wautersia numazuensis	1				
Wautersia oxalatica → Cupriavidus oxalaticus					
Wautersia paucula → Cupriavidus pauculus					
Wautersia respiraculi → Cupriavidus respiraculi					
Wautersia taiwanensis → Cupriavidus taiwanensis					
WAUTERSIELLA					
Wautersiella falsenii		2			
WEEKSELLA					
Weeksella virosa	1				+
Weeksella zoohelcum → Bergeyella zoohelcum					
WEISSELLA					
Weissella cibaria	1				ht+
Weissella confusa (Lactobacillus confusus)	1 ^G				ht+
Weissella halotolerans (Lactobacillus halotolerans)	1				110
Weissella hellenica	1				
Weissella kandleri (Lactobacillus kandleri)	1				
Weissella kimchii – synonym: Weissella cibaria	1				
Weissella koreensis	1				
Weissella minor (Lactobacillus minor)	1				
Weissella paramesenteroides (Leuconostoc paramesenteroides)	1				
Weissella soli	1				
Weissella thailandensis	1				
Weissella viridescens (Lactobacillus viridescens)	1				
WENXINIA					
Wenxinia marina	1				
WIGGLESWORTHIA					
Wigglesworthia glossinidia	1				
WILLIAMSIA					
Williamsia marianensis	1				
Williamsia maris	1				
Williamsia muralis	1				
Williamsia serinedens	1				
WINOGRADSKYELLA					
Winogradskyella epiphytica	1				
Winogradskyella eximia	1				
Winogradskyella poriferorum	1				
Winogradskyella thalassocola	1				
WOHLFAHRTIIMONAS					
Wohlfahrtiimonas chitiniclastica	1				
WOLDACIHA					
WOLBACHIA Wolbachia melophagi	1				
w oibacina inciopitagi	1				

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera			NT.4.		
Species	1	2	group 3	4	Notes
Wolbachia persica	1				
Wolbachia pipientis	1				
WOLINELLA					
Wolinella curva → Campylobacter curvus					
Wolinella recta → Campylobacter rectus					
Wolinella succinogenes (Vibrio succinogenes)	1				
WOODSHOLEA					
Woodsholea maritima	1				
XANTHOBACTER					
Xanthobacter agilis	1				
Xanthobacter aminoxidans	1				
Xanthobacter autotrophicus	1				
Xanthobacter flavus	1				
Xanthobacter tagetidis	1				
Xanthobacter viscosus	1				
XANTHOMONAS					
Xanthomonas albilineans	1				p
Xanthomonas alfalfae subsp. alfalfae	1				p
Xanthomonas alfalfae subsp. citrumelonis	1				p
Xanthomonas ampelina → Xylophilus ampelinus					_
Xanthomonas arboricola	1				p2
Xanthomonas axonopodis	1				p2
Xanthomonas bromi	1				р
Xanthomonas campestris	1				р
Xanthomonas cassavae	1				p
Xanthomonas citri → Xanthomonas citri subsp. citri					
Xanthomonas citri subsp. citri (Xanthomonas citri)	1				p
Xanthomonas citri subsp. malvacearum	1				p
Xanthomonas codiaei	1				p
Xanthomonas cucurbitae	1				p
Xanthomonas cynarae	1				p
Xanthomonas euvesicatoria	1				p
Xanthomonas fragariae	1				p2
Xanthomonas fuscans subsp. aurantifolii	1				p
Xanthomonas fuscans subsp. fuscans	1				p
Xanthomonas gardneri	1				p
Xanthomonas hortorum	1				p
Xanthomonas hyacinthi	1				p
Xanthomonas maltophilia → Stenotrophomonas maltophilia					
Xanthomonas melonis	1				p
Xanthomonas oryzae	1				p2
Xanthomonas perforans	1				p
Xanthomonas phaseoli	1				p
Xanthomonas pisi	1				p
Xanthomonas populi	1				p
Xanthomonas sacchari	1				p
Xanthomonas theicola	1				p
Xanthomonas translucens	1				p2

Genera		Risk	group		Notes
Species	1	2	3	4	Notes
Xanthomonas vasicola	1				p
Xanthomonas vesicatoria	1				p2
XENOPHILUS					
Xenophilus azovorans	1				
XENORHABDUS					
Xenorhabdus beddingii (Xenorhabdus nematophila subsp. beddingii)	1				n
Xenorhabdus bovienii (Xenorhabdus nematophila subsp. bovienii)	1				n
Xenorhabdus budapestensis	1				n
Xenorhabdus cabanillasii	1				n
Xenorhabdus doucetiae	1				n
Xenorhabdus ehlersii	1				n
Xenorhabdus griffiniae	1				n
Xenorhabdus hominickii	1				n
Xenorhabdus innexi	1				n
Xenorhabdus japonica	1				n
Xenorhabdus koppenhoeferi	1				n
Xenorhabdus kozodoii	1				n
Xenorhabdus luminescens	1				11
→ Photorhabdus luminescens subsp. luminescens					
Xenorhabdus mauleonii	1				n
Xenorhabdus miraniensis	1				n
Xenorhabdus nematophila	1				11
(Xenorhabdus nematophila subsp. nematophila)	1				n
Xenorhabdus nematophila subsp. beddingii → Xenorhabdus beddingii					
Xenorhabdus nematophila subsp. bovienii → Xenorhabdus bovienii					
Xenorhabdus nematophila subsp. nematophila → Xenorhabdus nematophila					
Xenorhabdus nematophila subsp. poinarii → Xenorhabdus poinarii					
Xenorhabdus poinarii (Xenorhabdus nematophila subsp. poinarii)	1				
Xenorhabdus romanii	1				n
Xenorhabdus stockiae	1				n
Xenorhabdus szentirmaii	1				n
XYLANIBACTER					
Xylanibacter oryzae	1				
11)	-				
XYLANIBACTERIUM					
Xylanibacterium ulmi	1				
XYLANIMICROBIUM					
Xylanimicrobium pachnodae (Promicromonospora pachnodae)	1				
XYLANIMONAS					
Xylanimonas cellulosilytica	1				
XYLELLA					
Xylella fastidiosa	1				p2
XYLOPHILUS					
Xylophilus ampelinus (Xanthomonas ampelina)	1				p2
* /					

Genera		Risk group				
Species	1	2	3	4	Notes	
YANGIA						
Yangia pacifica	1					
YANIA → YANIELLA						
Yania flava → Yaniella flava						
Yania halotolerans → Yaniella halotolerans						
YANIELLA						
Yaniella flava (Yania flava)	1					
Yaniella halotolerans (Yania halotolerans)	1					
YEOSUANA						
Yeosuana aromativorans	1					
YERSINIA						
Yersinia aldovae	1					
Yersinia aleksiciae		2				
Yersinia bercovieri	1					
Yersinia enterocolitica subsp. enterocolitica		2			Z	
Yersinia enterocolitica subsp. palearctica		2			Z	
Yersinia frederiksenii		2			Z	
Yersinia intermedia		2			Z	
Yersinia kristensenii		2			Z	
Yersinia mollaretii	1					
Yersinia pestis			3		V, Z	
Yersinia philomiragia → Francisella philomiragia subsp. philomiragia						
Yersinia pseudotuberculosis		2			Z	
Yersinia rhodei	1^{G}				+	
Yersinia ruckeri	1^{G}				t2	
Yersinia similis		2			Z	
YOKENELLA – synonym: KOSERELLA						
Yokenella regensburgei – synonym: Koserella trabulsii						
YONGHAPARKIA						
Yonghaparkia alkaliphila	1					
ZAVARZINIA						
Zavarzinia compransoris	1					
ZEAXANTHINIBACTER						
Zeaxanthinibacter enoshimensis	1					
ZHIHENGLIUELLA						
Zhihengliuella halotolerans	1					
ZHOUIA						
Zhouia amylolytica	1					
ZIMMERMANNELLA = PSEUDOCLAVIBACTER "Zimmermannella alba"	1				+	

 $^{{}^{}G}$ Classification into risk group deviates from "Liste risikobewerteter Spender- und Empfängerorganismen für gentechnische Arbeiten".

Genera Species	Risk group				NT.
	1	2	3	4	Notes
,Zimmermannella bifida"	1				+
"Zimmermannella faecalis"	1				
Zimmermannella helvola = Pseudoclavibacter helvolus	1				
ZOBELLELLA					
Zobellella denitrificans	1				
Zobellella taiwanensis	1				
ZOBELLIA					
Zobellia amurskyensis	1				
Zobellia galactanivorans	1				
Zobellia laminariae	1				
Zobellia russellii	1				
Zobellia uliginosa					
(Flavobacterium uliginosum, Cytophaga uliginosa,					
Cellulophaga uliginosa)	1				
ZOOGLOEA					
Zoogloea oryzae	1				
Zoogloea ramigera	1				
Zoogloea resiniphila	1				
ZOOSHIKELLA					
Zooshikella ganghwensis	1				
ZYMOBACTER					
Zymobacter palmae	1				
ZYMOMONAS					
Zymomonas mobilis subsp. francensis	1				
Zymomonas mobilis subsp. mobilis	1				
Zymomonas mobilis subsp. pomacea	1				
ZYMOPHILUS					
Zymophilus paucivorans	1				
Zymophilus raffinosivorans	1				

(including IJSEM issue July 2008)

Literature

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- [2] Factsheet B 006 7/2005 "Safe biotechnology Classification of biological agents: prokaryotes (bacteria and archaea)" of the Berufsgenossenschaft in the Chemical Industry; BGI 633. Jedermann-Verlag; Postfach 103140; 69021 Heidelberg
- [3] Factsheet B 006-1 9/2009 2005 "Safe biotechnology Classification of biological agents: prokaryotes (bacteria and archaea) Supplementary list" of the Berufsgenossenschaft in the Chemical Industry; BGI 633-1. Jedermann-Verlag; Postfach 103140; 69021 Heidelberg
- [4] TRBA 450 "Classification criteria for biological agents", BArbBl. 6/2000, pp. 58-61
- [5] Directive 2003/99/EC of the European Parliament and the Council of 17 November 2003 on the monitoring of zoonoses and zoonotic agents amending Council Decision 90/424/EEC and repealing Council Directive 92/117/EEC. Official Journal of the European Communities No. L 325/31 of 12.12.2003
- [6] TRBA 100 "Protective measures for specific and non-specific activities involving biological agents in laboratories", Edition: December 2006, GMBI. No. 21 of 10 April 2007, pp. 435-451
 - Chapter 5.4.2 Activities involving biological agents of risk group 3** in combination with annex 2 "Bacteria"