

Aerosol type	FIN label	Description and/or supplier	Generation method	Sample provided by	Reference
Fertile soil					
Argentinian	SDAr01	Soil dust collected in La Pampa province, Argentina	Dry-dispersed	KIT	Steinke et al. (2016)
Chinese	SDMo01	Soil collected from Xilingele steppe, China/Inner Mongolia	Dry-dispersed	KIT	Steinke et al. (2016)
Ethiopian	VSE01	Soil collected in Lake Shala National Park, Ethiopia (collection coordinates: 7.5° N, 38.7° E)	Dry-dispersed	KIT	n/a
German	SDGe01	Arable soil collected near Karlsruhe, Germany	Dry-dispersed	KIT	Steinke et al. (2016)
Moroccan	DDM01	Soil collected in a rock desert in Morocco (collection coordinates: 33.2° N, 2.0° W)	Dry-dispersed	KIT	n/a
Paulinenaue	n/a	Arable soil collected in northern Germany (Brandenburg)	Dry-dispersed	KIT	n/a
Mineral/metallic					
ATD	n/a	Arizona Test Dust, Powder Technology, Inc. (Arden Hills, MN)	Dry-dispersed	MIT	n/a
Illite	IS03	Illite NX (Arginotec, Germany)	Dry-dispersed	KIT	Hiranuma et al. (2015a)
Fly ash	n/a	Four samples of fly ash from US power plants: J. Robert Welsh Power Plant (Mount Pleasant, TX), Joppa Power Station (Joppa, IL), Clifty Creek Power Plant (Madison, IN), and Miami Fort Generating Station (Miami Fort, OH) (Fly Ash Direct, Cincinnati, OH)	Dry-dispersed	MIT	Zawadowicz et al. (2017)
Na-feldspar	FS05	Sodium and calcium-rich feldspar, samples provided by Institute of Applied Geosciences, Technical University of Darmstadt (Germany), and University of Leeds (UK)	Dry-dispersed	KIT	Peckhaus et al. (2016)
K-feldspar	FS01	Potassium-rich feldspar, samples provided by Institute of Applied Geosciences, Technical University of Darmstadt (Germany) and University of Leeds (UK)	Dry-dispersed	KIT	Peckhaus et al. (2016)
Biological					
Agar	n/a	Agar growth medium for bacteria, <i>Pseudomonas</i> agar base (CM0559, Oxoid Microbiology Products, Hampshire, UK)	Wet-generated	KIT	n/a
Bacteria	PS32B74 + PFCGina01	Two different cultures of <i>Pseudomonas syringae</i>	Cultures grown on the agar growth medium (as above), suspended in nanopure water and wet-generated	KIT	Zawadowicz et al. (2017)
Cellulose	MCC01, FC01	Microcrystalline and fibrous cellulose (Sigma Aldrich, St. Louis, MO)	Wet-generated	KIT	Hiranuma et al. (2015b)
Hazelnut	PWW-hazelnut	Natural hazelnut pollen (GREER, Lenoir, NC) wash water	Wet-generated	KIT	Zawadowicz et al. (2017)
Snomax	Snomax	Snomax (Snomax International, Denver, CO) irradiated, desiccated, and ground <i>Pseudomonas syringae</i>	Wet-generated	KIT	Zawadowicz et al. (2017)