

Materials List for:

Empirical, Metagenomic, and Computational Techniques Illuminate the Mechanisms by which Fungicides Compromise Bee Health

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Materials

Name	Company	Catalog Number	Comments
Natupol Beehive	Koppert	USRESM1	16 hives
Propiconazole 14.3	Quali-Ppro	60207-90-1	Propiconazole 14.3%
Abound	Syngenta	4033540	Azoxystrobin 22.9%
Chlorothalonil	Syngenta	3452	Fungicide used for trials
Pollen granules	Bee rescued	B004D5650C	3X 16oz bottles, pollen for trials
Bacterial strains for inoculation	Currie Lab		
Yeast strains for inoculation	Hittinger lab		
Primer pairs	UW Biotech Center		
DNA Isolation Kit	Mo Bio	12830-50	Commercial DNA isolation kit
Qubit dsDNA HS Assay Kit	Thermo Fisher	Q32851	DNA quantification tool
Select Master Mix for CFX	Thermo Fisher	4472952	Used to perform real-time PCR using SYBR GreenER dye.
Real-Time PCR Detection System	Bio Rad	1855196	Instrument used for PCR amplification
PCR Clean-Up Kit,	Axygen	10159-696	Used for efficient removal of unincorporated dNTPs, salts and enzymes
DNA 1000 Kit	Agilent	5067-1504	Used for sizing and analysis of DNA fragments
MiSeq Sequencer	Illumina		Used for next-generation sequencing
Assorted glassware (beaker, flasks, pipettes, test tubes, repipettors)	VWR		