1 2 3	Supplied Materials					
	Micro-aerobic digestion of high-solid anaerobically digested sludge: further					
4	stabilization, microbial dynamics and phytotoxicity reduction					
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19	The Number of Pages: 8					
20	The Number of Tables: 1					
21	The Number of Figures: 6					

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	Samples	Influent sludge (IS)	Effluent sludge (ES)		
			25 °C	37 °C	55 °C
_	number of sequences	15356	10482	14182	10027
	Total length of sequences (bp)	6569991	4595719	6172200	4393712
	Average length of sequences (bp)	428	438	435	438
	Operational taxonomic units (OTUs)	149	146	142	144
	Chao value	158	152	150	162
_	ACE value	153	153	150	163

22 Table S1 Summary of Illumina MiSeq sequencing data of the samples



- 55 °C



Fig. S2 Distribution of excitation-emission matrix maxima from influent and effluent sludges of
micro-aerobic digesters at 25, 37 and 55 °C (IS, ES-25, ES-37, ES-55)



Fig. S3 XPS full spectra of four sludge samples. IS, influent sludge; ES-25, ES-37 and ES-55,
effluent sludge from the micro-aerobic digesters operated at 25, 37 and 55 °C, respectively.





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Fig. S5 Acute and subchronic phytotoxicity test of the influent and effluent sludges samples using

41 three types of seeds (*Helianthus annuus*, *Centaurea cyanus* L. and *Pharbitis nil* Choisy). APT, 42 acute phytotoxicity test; SPT, subchronic phytotoxicity test; IS, influent sludge; ES-25, ES-37 and

42 acute phytotoxicity test; SPT, subchronic phytotoxicity test; IS, influent sludge; ES-25, ES-37 and 43 ES-55, effluent sludge from the micro-aerobic digesters operated at 25, 37 and 55 °C, respectively.

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