

Table S1. Sample description.

ID	Paper machine	Sampling site	Constitution
-	PM1	<i>Clear filtrate</i>	liquid
-	PM1	<i>White water</i>	liquid
-	PM1	<i>Press water</i>	liquid
-	PM2	<i>Clear filtrate</i>	liquid
-	PM2	<i>White water</i>	liquid
-	PM2	<i>Press water</i>	liquid
-	PM3	<i>Clear filtrate</i>	liquid
-	PM3	<i>White water</i>	liquid
-	PM3	<i>Press water</i>	liquid
-	PM4	<i>Clear filtrate</i>	liquid
-	PM4	<i>White water</i>	liquid
-	PM4	<i>Press water</i>	liquid
1	PM1	<i>Paper</i>	solid
2	PM1	<i>Paper</i>	solid
3	PM1	<i>Paper</i>	solid
4	PM1	<i>Paper</i>	solid
5	PM1	<i>Paper</i>	solid
6	PM1	<i>Paper</i>	solid
7	PM1	<i>Paper</i>	solid
8	PM1	<i>Paper</i>	solid
9	PM1	<i>Paper</i>	solid