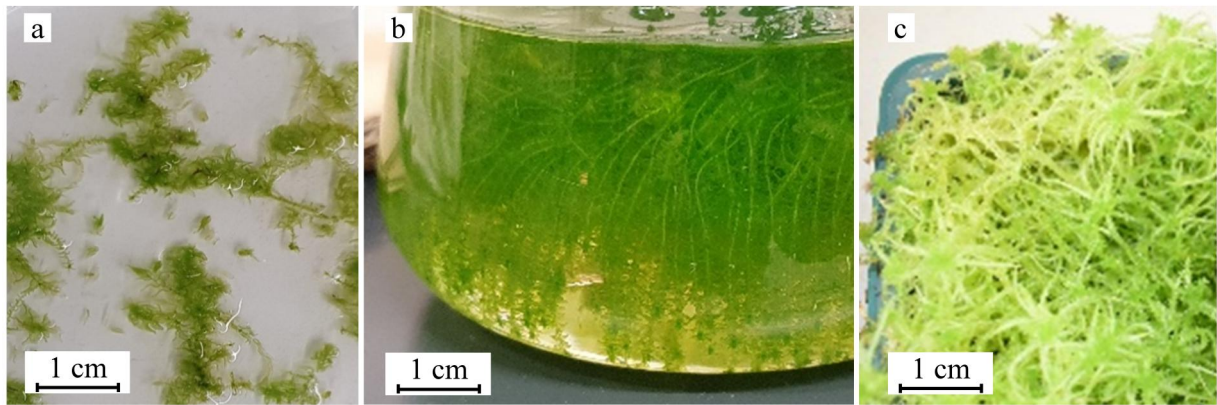




Supplementary Figure 1: Moss during different phases of cultivation and differentiation, macroscopic photographs. (a) Gametophytes harvested in Petri dishes to be transferred to shaking flasks for moss maintenance. They form clews that flatten out due to gravity outside the full level of the medium. (b) Gametophytes react to illumination and grow downward toward the LEDs. It is not exactly known, but probably *Sphagnum* gametophytes growing submerged do not have gravity sensors. (c) Gametophytes 4 weeks after being placed on peat in a planting tray. They develop the adult form of the gametophyte generally found in bogs.