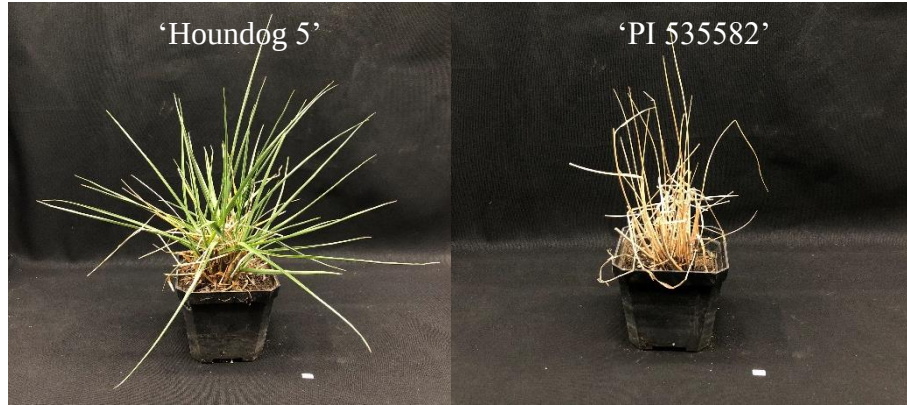




Additional file 13: The phenotypic differences between ‘Houndog 5’ (heat-tolerant) and ‘PI535582’ (heat-sensitive) after heat treatments. The tall fescue plants with the same development state were transferred outside in July 2019 at Wuhan Botanical Garden, CAS. All plants were watered as needed and kept outside until the end of September. The scale = 1cm.