

Table 1S. Variability in net photosynthesis rate (P_N) in mini-core germplasm and their categorization.

Efficiency level	List of mini-core germplasm	Total
High (> 33)	14475, 14506, 14507, 14505, 14459, 14407, 14474, 14414, 14384, 14405, 14424, 14381, 14478, 14348, 14380, 14413, 14360, 14472, 14408, 14464, 14482, 14477, 14501, 14473, 14483, 14435, 14373, 14386, 14379, 14493, 14491, 14485, 14484, 14354	34
Medium (24–33)	14349, 14374, 14404, 14416, 14345, 14489, 14476, 14479, 14471, 14436, 14463, 14480, 14332, 14347, 14343, 14387, 14487, 14377, 14337, 14460, 14383, 14461, 14446, 14357, 14421, 14457, 14425, 14495, 14451, 14402, 14331, 14455, 14448, 14434, 14368, 14494, 14431, 14456, 14486, 14342, 14432, 14324, 14339, 14335, 14390, 14412, 14429, 14336, 14415, 14356, 14353, 14352, 14369, 14503, 14378, 14372, 14443, 14438, 14403, 14364, 14422, 14440, 14430, 14399, 14409, 14385, 14447, 14423, 14469, 14340, 14344, 14458, 14361, 14341, 14401, 14363, 14452, 14358, 14362, 14490, 14333, 14389, 14500, 14439, 14330, 14338, 14355, 14334, 14400, 14411, 14445, 14398, 14365, 14466, 14467, 14441, 14359, 14462, 14325, 14470, 14504, 14417, 14468, 14406, 14498, 14350, 14418, 14428, 14420, 14326, 14465, 14499, 14370, 14492, 14437, 14454, 14502, 14481, 14449, 14375, 14496, 14328, 14382, 14392	124
Low (< 24)	14497, 14351, 14393, 14410, 14427, 14442, 14394, 14433, 14419, 14395, 14371, 14450, 14329, 14488, 14397, 14367, 14396, 14453, 14426, 14388, 14366, 14327, 14391	23