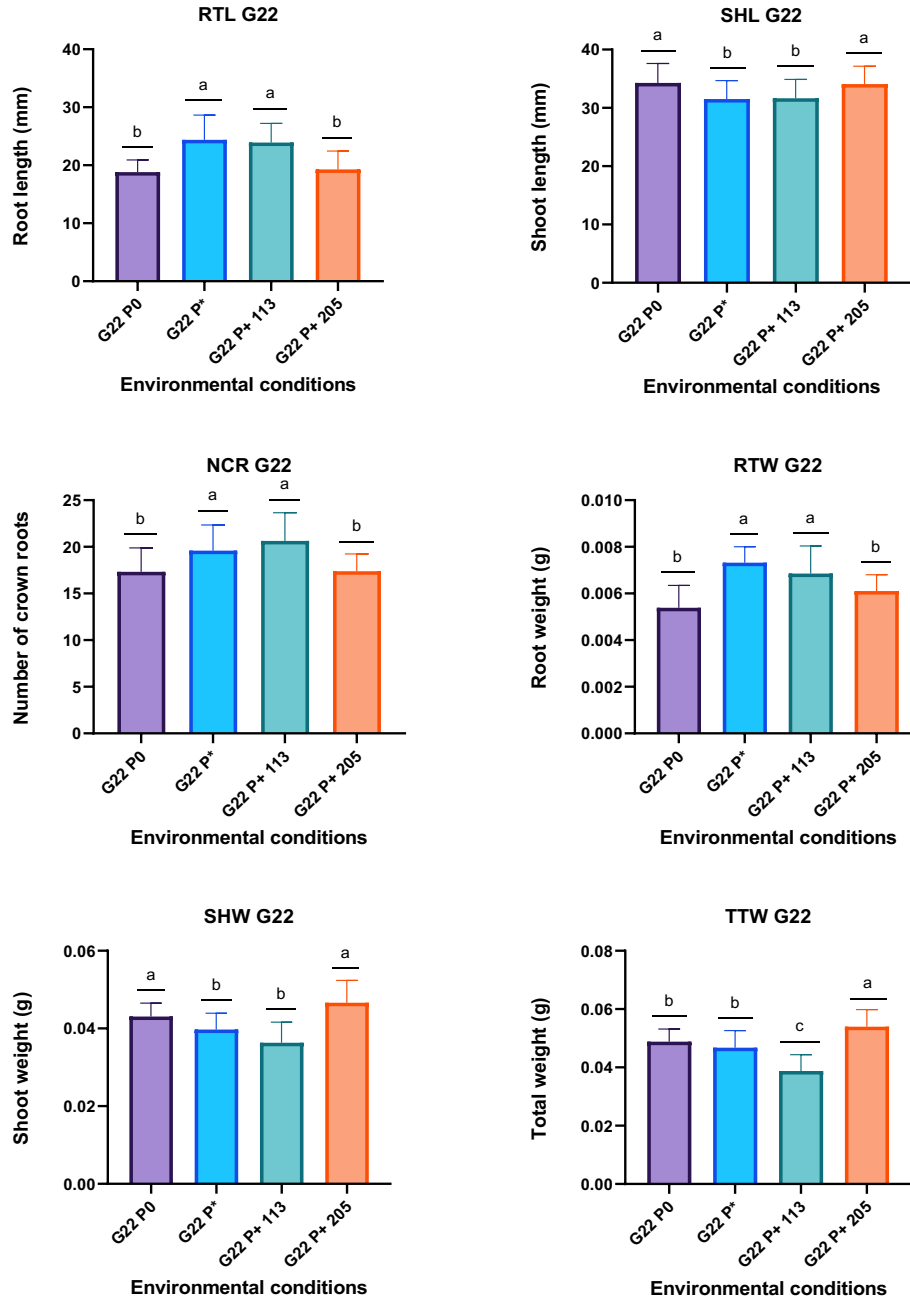


APPENDIX



Supplementary Figure S1. Morphological adaptation of G22 rice plants grown under different culture conditions. P0 (full Pi), P* (low Pi), P+ 113 (insoluble Pi supplemented with *Burkholderia sp.* strain 113), P+ 205 (insoluble Pi supplemented with *Burkholderia sp.* strain 205). RTL (root length), SHL (shoot length), NCR (number of crown root), RTW (root weight), SHW (shoot weight), TTW (total weight). Different letters indicate significant differences between treatments ($p < 0.05$).

Supplementary Table S1. List of primers were used to amplify the genes related to Pi responses by qRT-PCR

No	Name	Forward primer	Reverse primer
1	<i>OsSPX1</i>	CGGTTTCTGTTGGCAGTTGG	CATACGCTGCCCTGCTTACT
2	<i>OsPHR2</i>	AAGCACACCTATGCCACCTC	CAACAGACCCGGTACTGGAC
3	<i>OsPAP21</i>	AAGAGGAATCGAGGACAAGATA TTTG	AAGCCTCTTCTTGTTCGGATCA
5	<i>OsPT9</i>	CCGGCTACATCGTGCTCTACT	AGGATGAAGGTGGTGGTGTG
6	<i>OsPHO1</i>	ACTGGATTTCTCGCTCGCTT	GCAATCCATAAACCATTTCACCA
7	<i>OsJAZ5</i>	AATGAGGATGGCAACCGAGG	TCTCTGGAGAGGAATCGTTGC
8	<i>OsAOC</i>	AAGAGGAATCGAGGACAAGATATTTG	AAGCCTCTTCTTGTTCGGATCA
9	<i>OsActin</i>	CAACACCCCTGCTATGTACG	CATCACCAGAGTCCAACACAA

Supplementary Table S2. Variation of amino acid content (mg/g dry weight leaf) from leaves of G22 plants grown in different phosphate culture conditions. P0 (full Pi), P* (low Pi), P+ 113 (insoluble Pi supplemented with *Burkholderia* sp. strain 113), P+ 205 (insoluble Pi supplemented with *Burkholderia* sp. strain 205). Different letters indicate significant differences between treatments ($p < 0.05$).

Amino acids	G22 P0	G22 P*	G22 P+113	G22 P+205	Family
Serine	0.05 ± 0.001 ^b	0.04 ± 0.002 ^b	0.07 ± 0.001 ^a	0.07 ± 0.004 ^a	Serine family
Glycine	0.03 ± 0.002 ^b	0.03 ± 0.003 ^b	0.04 ± 0.001 ^a	0.04 ± 0.001 ^a	
Cystein	0.09 ± 0.003 ^b	0.09 ± 0.002 ^b	0.12 ± 0.03 ^a	0.11 ± 0.01 ^a	
Alanine	0.31 ± 0.012 ^d	0.36 ± 0.009 ^c	0.48 ± 0.006 ^a	0.45 ± 0.011 ^b	Pyruvate family
N-leucine	0.16 ± 0.004 ^c	0.26 ± 0.01 ^b	0.16 ± 0.006 ^c	0.3 ± 0.012 ^a	
Iso-leucine	0.11 ± 0.008 ^b	0.12 ± 0.003 ^b	0.15 ± 0.007 ^a	0.14 ± 0.003 ^a	Aspartate family
Threonine	0.02 ± 0.001 ^a	0.03 ± 0.002 ^a	0.02 ± 0.004 ^a	0.02 ± 0.001 ^a	
Methionine, and derivartives	0.54 ± 0.01 ^b	0.59 ± 0.022 ^a	0.59 ± 0.025 ^a	0.56 ± 0.012 ^a	
Tryptophane		0.01 ± 0.003			Aromatic family
Tyrosine	0.06 ± 0.005 ^b	0.06 ± 0.002 ^b	0.09 ± 0.003 ^a	0.07 ± 0.004 ^b	
Phenylalanine	0.06 ± 0.002 ^c	0.05 ± 0.005 ^c	0.11 ± 0.008 ^a	0.08 ± 0.003 ^b	
Proline	0.3 ± 0.009 ^c	0.42 ± 0.025 ^b	0.49 ± 0.011 ^a	0.33 ± 0.008 ^c	Glutamic family
Arginine	0.13 ± 0.002 ^c	0.42 ± 0.023 ^a	0.38 ± 0.015 ^b	0.13 ± 0.007 ^c	
Histidine	0.02 ± 0.001 ^b	0.02 ± 0.001 ^b	0.03 ± 0.001 ^a	0.02 ± 0.002 ^b	
Glutamine	0.54 ± 0.004 ^b	0.6 ± 0.002 ^a	0.61 ± 0.003 ^a	0.53 ± 0.006 ^b	