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ABBREVIATIONS

$\mu\text{s/cm}$	microsemen per centimeter
bp	base pair
CATPCA	Categorical Principal Components Analysis
CCA	Canonical Correspondence Analysis
cf.	carried forward
dATP	deoxyadenosine 5' triphosphate
dCTP	deoxycytidine 5' triphosphate
dGTP	deoxyguanosine 5' triphosphate
dTTP	deoxythymine5' triphosphate
DNA	deoxyribonucleic acid
dsDNA	double strand deoxyribonucleic acid
DGGE	Denaturing Gradient Gel Electrophoresis
mM	millimolar
MVSP	Multivariate Statistical Package
PCR	Polymerase Chain Reaction
PCA	Principal Component Analysis
RAPD	Random Amplification Polymorphism DNA
rDNA	ribosomal deoxyribonucleic acid
RNA	ribonucleic acid
rpm	revolutions per minute
SPSS	Statistical Program for Social Science
SSU rRNA	small sub unit ribosomal ribonucleic acid
wt/vol	weight per volume
μmol	micromole

ABBREVIATIONS

Sampling site of six hot springs in each temperature range and season code

Site Name	code
San Kamphaeng Hot Spring in rainy season	SK-r
San Kamphaeng Hot Spring in cold dry season	SK-w
San Kamphaeng Hot Spring in summer season	SK-s
San Kamphaeng Hot Spring in rainy season, 40-45°C range	SK40r
San Kamphaeng Hot Spring in cold dry season, 40-45°C range	SK40w
San Kamphaeng Hot Spring in summer season, 40-45°C range	SK40s
San Kamphaeng Hot Spring in rainy season, 45-50°C range	SK45r
San Kamphaeng Hot Spring in cold dry season, 45-50°C range	SK45w
San Kamphaeng Hot Spring in summer season, 45-50°C range	SK45s
San Kamphaeng Hot Spring in rainy season, 50-55°C range	SK50r
San Kamphaeng Hot Spring in cold dry season, 50-55°C range	SK50w
San Kamphaeng Hot Spring in summer season, 50-55°C range	SK50s
San Kamphaeng Hot Spring in rainy season, 55-60°C range	SK55r
San Kamphaeng Hot Spring in cold dry season, 55-60°C range	SK55w
San Kamphaeng Hot Spring in summer season, 55-60°C range	SK55s
San Kamphaeng Hot Spring in rainy season, 60-65°C range	SK60r
San Kamphaeng Hot Spring in cold dry season, 60-65°C range	SK60w
San Kamphaeng Hot Spring in summer season, 60-65°C range	SK60s
San Kamphaeng Hot Spring in rainy season, 65-70°C range	SK65r
San Kamphaeng Hot Spring in cold dry season, 65-70°C range	SK65w
San Kamphaeng Hot Spring in summer season, 65-70°C range	SK65s
Pong Dued Hot Spring in rainy season	PD-r
Pong Dued Hot Spring in cold dry season	PD-w
Pong Dued Hot Spring in summer season	PD-s
Pong Dued Hot Spring in rainy season, 40-45°C range	PD40r
Pong Dued Hot Spring in cold dry season, 40-45°C range	PD40w
Pong Dued Hot Spring in summer season, 40-45°C range	PD40s
Pong Dued Hot Spring in rainy season, 45-50°C range	PD45r
Pong Dued Hot Spring in cold dry season, 45-50°C range	PD45w

ABBREVIATIONS (continue)

Sampling site of six hot springs in each temperature range and season code

Site Name	code
Pong Dued Hot Spring in summer season, 45-50°C range	PD45s
Pong Dued Hot Spring in rainy season, 50-55°C range	PD50r
Pong Dued Hot Spring in cold dry season, 50-55°C range	PD50w
Pong Dued Hot Spring in summer season, 50-55°C range	PD50s
Pong Dued Hot Spring in rainy season, 55-60°C range	PD55r
Pong Dued Hot Spring in cold dry season, 55-60°C range	PD55w
Pong Dued Hot Spring in summer season, 55-60°C range	PD55s
Pong Dued Hot Spring in rainy season, 60-65°C range	PD60r
Pong Dued Hot Spring in cold dry season, 60-65°C range	PD60w
Pong Dued Hot Spring in summer season, 60-65°C range	PD60s
Pong Dued Hot Spring in rainy season, 65-70°C range	PD65r
Pong Dued Hot Spring in cold dry season, 65-70°C range	PD65w
Pong Dued Hot Spring in summer season, 65-70°C range	PD65s
Pong Dued Hot Spring in rainy season, 70-75°C range	PD70r
Pong Dued Hot Spring in cold dry season, 65-70°C range	PD70w
Pong Dued Hot Spring in summer season, 65-70°C range	PD70s
Theppanom Hot Spring in rainy season	TP-r
Theppanom Hot Spring in cold dry season	TP-w
Theppanom Hot Spring in summer season	TP-s
Theppanom Hot Spring in rainy season, 40-45°C range	TP40r
Theppanom Hot Spring in cold dry season, 40-45°C range	TP40w
Theppanom Hot Spring in summer season, 40-45°C range	TP40s
Theppanom Hot Spring in rainy season, 45-50°C range	TP45r
Theppanom Hot Spring in cold dry season, 45-50°C range	TP45w
Theppanom Hot Spring in summer season, 45-50°C range	TP45s
Theppanom Hot Spring in rainy season, 50-55°C range	TP50r
Theppanom Hot Spring in cold dry season, 50-55°C range	TP50w
Theppanom Hot Spring in summer season, 50-55°C range	TP50s

ABBREVIATIONS (continue)

Sampling site of six hot springs in each temperature range and season code

Site Name	code
Theppanom Hot Spring in rainy season, 55-60°C range	TP55r
Theppanom Hot Spring in cold dry season, 55-60°C range	TP55w
Theppanom Hot Spring in summer season, 55-60°C range	TP55s
Theppanom Hot Spring in rainy season, 60-65°C range	TP60r
Theppanom Hot Spring in cold dry season, 60-65°C range	TP60w
Theppanom Hot Spring in summer season, 60-65°C range	TP60s
Theppanom Hot Spring in rainy season, 65-70°C range	TP65r
Theppanom Hot Spring in cold dry season, 65-70°C range	TP65w
Theppanom Hot Spring in summer season, 65-70°C range	TP65s
Theppanom Hot Spring in rainy season, 65-70°C range	TP70r
Theppanom Hot Spring in cold dry season, 65-70°C range	TP70w
Theppanom Hot Spring in summer season, 65-70°C range	TP70s
Pra Rueang Hot Spring in rainy season	PR-r
Pra Rueang Hot Spring in cold dry season	PR-w
Pra Rueang Hot Spring in summer season	PR-s
Pra Rueang Hot Spring in rainy season, 40-45°C range	PR40r
Pra Rueang Hot Spring in cold dry season, 40-45°C range	PR40w
Pra Rueang Hot Spring in summer season, 40-45°C range	PR40s
Pra Rueang Hot Spring in rainy season, 45-50°C range	PR45r
Pra Rueang Hot Spring in cold dry season, 45-50°C range	PR45w
Pra Rueang Hot Spring in summer season, 45-50°C range	PR45s
Raksawarin Public Park Hot Spring in rainy season	RS-r
Raksawarin Public Park Hot Spring in cold dry season	RS-w
Raksawarin Public Park Hot Spring in summer season	RS-s
Raksawarin Public Park Hot Spring in rainy season, 40-45°C range	RS40r
Raksawarin Public Park Hot Spring in cold dry season, 40-45°C range	RS40w
Raksawarin Public Park Hot Spring in summer season, 40-45°C range	RS40s
Raksawarin Public Park Hot Spring in rainy season, 45-50°C range	RS45r
Raksawarin Public Park Hot Spring in cold dry season, 45-50°C range	RS45w

ABBREVIATIONS (continue)

Sampling site of six hot springs in each temperature range and season code

Site Name	code
Raksawarin Public Park Hot Spring in summer season, 45-50°C range	RS45s
Raksawarin Public Park Hot Spring in rainy season, 50-55°C range	RS50r
Raksawarin Public Park Hot Spring in cold dry season, 50-55°C range	RS50w
Raksawarin Public Park Hot Spring in summer season, 50-55°C range	RS50s
Raksawarin Public Park Hot Spring in rainy season, 55-60°C range	RS55r
Raksawarin Public Park Hot Spring in cold dry season, 55-60°C range	RS55w
Raksawarin Public Park Hot Spring in summer season, 55-60°C range	RS55s
Khaochaison Hot Spring in rainy season	KC-r
Khaochaison Hot Spring in cold dry season	KC-w
Khaochaison Hot Spring in summer season	KC-s
Khaochaison Hot Spring in rainy season, 45-50°C range	KC45r
Khaochaison Hot Spring in cold dry season, 45-50°C range	KC45w
Khaochaison Hot Spring in summer season, 45-50°C range	KC45s
Khaochaison Hot Spring in rainy season, 50-55°C range	KC50r
Khaochaison Hot Spring in cold dry season, 50-55°C range	KC50w
Khaochaison Hot Spring in summer season, 50-55°C range	KC50s