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Deep Mitochondrial and Morphological Differentiation of *Hemidactylus persicus* Anderson, 1872 (Squamata: Gekkonidae) in Iran

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With currently 149 species, *Hemidactylus* Oken, 1817 is one of the most species-rich genera of the family Gekkonidae. In this study, 50 *Hemidactylus persicus* and *H. romeshkanicus* from southern Iran and three specimens of the newly described species *H. kurdicus* from north-eastern Iraq were screened using sequences of the mitochondrial 12S rRNA gene (approximately 400 bp) with two *H. hajarensis* as outgroups. In addition, 58 specimens were analysed morphologically using 25 mensural and six meristic characters. The genetic data recovered six well supported clades of *H. persicus* and *H. romeshkanicus* in southern Iran, which also showed morphological differentiation with the exception of specimens from Khuzestan and Fars provinces. Principal Coordinates Analysis (PCoA) and haplotype networks are compatible with our phylogenetic tree and morphological analyses. These findings highlight deep mitochondrial and morphological variation of *H. persicus* from Iran. Interestingly, our phylogenetic inference revealed that *H. romeshkanicus* should be regarded as a valid species, whereas *H. kurdicus* is not a distinct evolutionary lineage and synonymous with *H. romeshkanicus*.

Key words: Gekkonidae; Iranian plateau; Phylogeny; Radiation; Species complex

INTRODUCTION

The diverse herpetofauna of the Iranian plateau has been of interest to herpetologists, particularly with respect to ecology and zoogeography (e.g., Anderson, 1968; Hosseinzadeh et al., 2014a). Topographically, the Iranian plateau consists of a complex of mountain chains enclosing two main mountain ranges: the Elburz, which extends from north-west to north-east, and the Zagros, which extends from north-west to south-eastern Iran (Fisher, 1968). Descriptions of species using molecular tools resulted in the detection of cryptic taxa, and the raising of geographically isolated subspecies to the rank of species (Ahmadzadeh et al., 2013; Ficetola et al., 2013). However, further molecular and integrative studies are necessary in order to gain a more complete understanding of the Iranian herpetofauna.

With 149 recognised species (Uetz et al., 2018), the genus *Hemidactylus* Oken, 1817 is one of the most species-rich genera of the family Gekkonidae. It is globally distributed in tropical and subtropical regions. Four species of *Hemidactylus* have been reported from Iran: *Hemidactylus persicus* Anderson, 1872, *H. robustus* Heyden, 1827, *H. flaviviridis* Rüppell, 1840, and *H. romeshkanicus* Torki 2011 (Anderson, 1999; Bauer et al., 2006; Torki et al., 2011; Šmíd et al., 2014; Hosseinzadeh et al., 2014b). *Hemidactylus persicus* is distributed in the northern Arabian Peninsula, southern Iran, Iraq, Kuwait, Pakistan and India (Sindaco & Jeremčenko, 2008; Carranza & Arnold, 2012; Khan, 2013; Castilla et al., 2013; Šmíd et al., 2014). Molecular studies of Iranian *H. persicus* have shown a high level of genetic differentiation (Carranza & Arnold, 2012; Šmíd et al., 2013). Recently, a new species, *H. kurdicus*, has been reported from the oak woodlands of Zagros forest steppe of Qara Dagh Mountains, Sulaimani, north-eastern Iraq (Safaei-Mahroo et al., 2017).

The occupation of Iran by *H. persicus* in different climates and habitats along with deep intraspecific variation suggests that it might comprise a species complex. According to Torki et al. (2011), *H. romeshkanicus* is endemic to Iran, inhabiting western slopes of the Zagros Mountains and southern Lorestan. According to Šmíd et al. (2014), the species probably belongs to the arid clade together with its sister taxa *H. persicus*, *H. robustus* and *H. turcicus*. Here, we study the genetic variability of *H. persicus* across its entire range in the Iranian Plateau using 12S rRNA mtDNA sequences, together with multivariate analyses of mensural and meristic characters. Further, we evaluate the validity of *H. romeshkanicus* using these methods.

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METHODS

Fifty-three Hemidactylus were included in the phylogenetic analyses which were procured from collections (Collection of The Biology Department of Shiraz University (CBSU), Zoological Museum of University of Tehran (ZUTC), Department of The Environment of Hormozgan Zoological Collection (DHZC), Farhang Torki Herpetology Museum (FTHM), Collection of The California Academy of Sciences: (CAS), Centre for Ecological Sciences, Bangalore, India (CES), Museum of Vertebrate Zoology, Berkeley (MVZ), National Museum, Prague (NMP)). Morphological characters of specimens collected from the type locality of H. romeshkanicus were compared with the holotype from Zoologisches Museum of Berlin (ZMB). Other samples were obtained from recent expeditions and have been deposited in the Sabzevar University Herpetological Collection (SUHC), the Zoological Museum of Ferdowsi University of Mashhad (ZMFUM) and the Zoological Museum of University of Birjand (ZMUB) with appropriate sampling permission from the Department of Environment of Iran (see Table 1, Fig. 2). Specimens were euthanised with chloroform and tissues extracted and fixed in 75% ethanol. In total, 42 H. persicus were sequenced for this study. A further eight and three sequences of *H. persicus* and *H.* kurdicus, respectively, and two of H. hajarensis (used as outgroup) were downloaded from GenBank. We used 12Sa and 12Sb primers (Kocher et al., 1989) to amplify a section (approximately 400 bp) of the mitochondrial 12S ribosomal RNA gene. Sequences were imported to BioEdit, version 7.0.9.0 (Hall, 1999), aligned using ClustalW multiple alignment, and adjusted by hand. A distance matrix using uncorrected p-distances was calculated with MEGA, version 5 (Tamura et al., 2011). Two phylogenetic analyses were performed: Maximum Likelihood (ML) and Bayesian Inference (BI). We choose GTR+I+G as the best-fitting model of nucleotide substitution based on the Akaike Information Criterion as implemented in ModelTest, version 3.7 (Posada & Crandall, 1998). The maximum likelihood (ML) tree was produced using RAxML v 7.0.3 (Stamatakis, 2006). To test the robustness of the nodes we ran 1000 bootstrap pseudo-replications under ML (Templeton et al., 1992). Bayesian analyses were performed in MrBayes 3.1.2 (Huelsenbeck & Ronquist, 2001). Four Markov Chain Monte Carlo analyses (MCMC) were run simultaneously for 10 million generations and the first 1,000,000 trees (as a conservative 'burn-in') were discarded. Posterior probabilities for nodes were calculated from the remaining trees using a majorityrule consensus analysis. Clades are regarded as strongly supported if they have bootstrap values higher than 70% in ML, or posterior probabilities (pp) of 95% or above in the Bayesian analysis (Hillis et al., 1993). To visualise the number of specimens sharing certain haplotypes, haplotype networks of the 12S were constructed using the TCS software package (Clement et al., 2000). This program estimates the number of mutational steps by which pairwise haplotypes differ and computes the probability of parsimony for pairwise differences until the probability exceeds 0.95 (Templeton et al., 1992). To further evaluate relationships among populations of H. persicus we performed a Principal Coordinate Analysis (PCoA) using GenAlEx v.6.5 (Peakall & Smouse, 2006). We used the same software to perform a Mantel test to examine the correlation between geographic and genetic distances based on point localities in the populations of H. persicus (Jensen et al., 2005). An analysis of molecular variance (AMOVA) was performed to evaluate the population structure and mutational differences between the loci in different populations using GenAlEx v.6.5 (Peakall & Smouse, 2006). Additionally, to calculate the genetic differentiation fixation index, the partitioning of among-group genetic variation (PhiPT) values were calculated in order to examine the distribution of differences within and between populations using GenAlEx v.6.5 (Peakall & Smouse, 2006).

Fifty-eight specimens of *H. persicus* were examined morphologically, including 29 males and 29 females. All specimens were studied for 25 mensural and six meristic characters following Kluge (1969), Vences et al. (2004), Busais & Joger (2011), and Carranza & Arnold (2012, see supplementary section; Table 2).

Statistical analysis was performed with SPSS 16.0 and PAST v. 2.17c (Hammer et al., 2001). The multivariate canonical variate analysis (CVA) was conducted on the transformed matrix to determine if individuals would be assigned to the correct population group based on morphological measurements.

RESULTS AND DISCUSSION

A total of 399 characters of the 12S rRNA gene were used in the phylogenetic analyses, of which there were 44 parsimony-informative characters (224 invariant or monomorphic sites and 44 variable or polymorphic sites). The proportion of invariable sites, I = 0, for amongsite rate variation followed a gamma distribution, with the shape parameter a = 0.2402. The frequencies of nucleotides were: freq A = 0.3285, freq C = 0.3047, freq G = 0.1913, freq T = 0.1755. Both methods (ML and BI) gave very similar results and showed only minor differences, at the base of the trees, where relationships had little support (Fig. 1). The phylogeny recovered six well-supported clades comprising the following populations: Clade A from south-west Iran (Behbahan city, East of Khuzestan Province); south-east Iran (Lipar, Jod Village and Bazman, Sistan and Baluchistan), extreme south-west Iran (Mahshar, Khuzestan Province); Clade B, from south Iran (south of Lorestan, Romeshkan, Pole-e-Dokhtar); north-east Iraq (western border of the Zagros forest steppe in south-western Sulaimani, Kurdistan region); Clade B, from south-west Iran (northern and central Khuzestan; western Ilam); Clade C, from south Iran (Bushehr and southern Fars Province); Clade C, from central Iran (Kerman and northern Fars Province); and Clade C₃ from south Iran (central and eastern Fars Province; south-eastern Khuzestan, Fig. 1). Uncorrected genetic distances ranged between 0.000 and 0.008 and between 0.026 and 0.097 within and between clades of H. persicus, respectively (Table 3). There is no genetic distance between H. kurdicus and clade B, **Table 1.** Details of studied specimens of *H. persicus* and *H. romeshkanicus*. The abbreviations refer to: Collection of The Biology Department of Shiraz University (CBSU), Zoological Museum of University of Tehran (ZUTC), Department of The Environment of Hormozgan Zoological Collection (DHZC), Farhang Torki Herpetology Museum (FTHM), Collection of The California Academy of Sciences (CAS), Centre for Ecological Sciences, Bangalore, India (CES), Museum of Vertebrate Zoology, Berkeley (MVZ), National Museum, Prague (NMP), Sabzevar University Herpetological Collection (SUHC), Zoological Museum of Ferdowsi University of Mashhad (ZMFUM) and Zoological Museum of University of Birjand (ZMUB). M. = Morphological study, G. = Genetic study.

Species	Voucher Code	Locality; number in Figure S_1	GenBank Ac- cession No	Source	Type of Study
H. romeshkanicus	SUHC 1153	40 Km east of Haftgel, Iran;1	MG744524	This study	M., G.
H. romeshkanicus	SUHC 1154	40 Km east of Haftgel, Iran;1	MG744525	This study	M., G.
H. romeshkanicus	SUHC 1155	40 Km east of Haftgel, Iran;1	MG744526	This study	M., G.
I. romeshkanicus	SUHC 1156	40 Km east of Haftgel, Iran;1	MG744527	This study	M., G.
I. persicus	SUHC 1222	5Km west of Dayyer, Iran;2	MG744529	This study	M., G.
H. persicus	SUHC 1223	5Km west of Dayyer, Iran;2	MG744530	This study	M., G.
1. persicus	SUHC 1414	Nourabad, Iran;3	MG744531	This study	G.
1. persicus	SUHC 1415	Nourabad, Iran;3	MG744532	This study	G.
H. persicus	SUHC 1425	Nourabad, Iran;3	MG744535	This study	M., G.
1. persicus	SUHC 1433	Nourabad, Iran;3	-	This study	M.
H. romeshkanicus	SUHC 3622	Masjedsolyeman, Iran;4	MG744539	This study	G.
H. romeshkanicus	SUHC 3623	Masjedsolyeman, Iran;4	MG744540	This study	M., G.
H. romeshkanicus	SUHC 3624	Masjedsolyeman, Iran;4	MG744541	This study	M., G.
H. romeshkanicus	SUHC 3625	Masjedsolyeman, Iran;4	MG744542	This study	G.
H. persicus	SUHC 3643	Ahram mountain, Iran;5	-	This study	М.
H. persicus	SUHC 3644	Ahram mountain, Iran;5	-	This study	М.
H. persicus	SUHC 3645	Ahram mountain, Iran;5	-	This study	M.
H. persicus	SUHC 3693	Khabr national park, Iran;6	MG744544	This study	M., G.
H. persicus	SUHC 3694	Khabr national park, Iran;6	MG744551	This study	M., G.
1. persicus	SUHC 3696	Khabr national park, Iran;6	MG744545	This study	M., G.
1. persicus	SUHC 3691	Ahram mountain, Iran;5	MG744543	This study	G.
H. persicus	ZMFUM 10005	Gakal Cave, Gachsaran, Iran;7	MG744548	This study	M., G.
I. romeshkanicus	ZMFUM10001	Izeh,Iran;8	MG744515	This study	M., G.
I. romeshkanicus	ZMFUM10002	Izeh,Iran;8	MG744522	This study	M., G.
1. romeshkanicus	ZMFUM10002 ZMFUM10003	Izeh,Iran;8	MG744523	This study	M., G.
			1010744323		
H. persicus	CBSU R082	25km NW of Lamerd, Iran;9	-	This study	M.
H. persicus	CBSU R083	25km NW of Lamerd, Iran;9	-	This study	M.
I. persicus	ZMFUM10007	Varavi, Iran;10	MG744547	This study	M., G.
1. persicus	ZMFUM10008	Varavi, Iran;10	MG744549	This study	M., G.
I. persicus	ZMFUM10009	Varavi, Iran;10	MG744550	This study	M., G.
I. persicus	ZMFUM10010	Behbahan, Iran; 11	-	This study	M.
H. persicus	ZMFUM10011	Behbahan, Iran; 11	MG744546	This study	M., G.
H. persicus	CBSU 8071	GoohGorm Jahrum, Iran; 12	-	This study	M.
I. persicus	CBSU 8068	GoohGorm Jahrum, Iran;12	-	This study	M.
1. persicus	CBSU 8091	GoohGorm Jahrum, Iran;12	-	This study	Μ.
1. persicus	CBSU 8083	GoohGorm Jahrum, Iran; 12	-	This study	M.
I. persicus	CBSU 4217	Jahrum,Iran;13	-	This study	M.
H. persicus	CBSU 8055	Kazeron, Iran; 14	-	This study	М.
H. persicus	CBSU 8056	Shiraz, Iran;15	-	This study	М.
H. persicus	CBSU 5395	Shiraz, Iran;15	-	This study	M.
H. persicus	CBSU R111	Gachsaran, Iran;16		This study	M.
			-		
H. romeshkanicus	SUHC 3788	Masjed soleman, Iran; 17	MG744553	This study	M., G.
H. romeshkanicus	SUHC 3784	Pole-e-dokhtar,Iran;18	MG744555	This study	M., G.
H. romeshkanicus	SUHC 3786	Pole-e-dokhtar,Iran;18	MG744554	This study	M., G.
H. romeshkanicus	SUHC 3789	Pole-e-dokhtar,Iran;18	-	This study	M.
H. persicus	SUHC 3785	Mehran, Iran; 19	-	This study	M.
H. persicus	SUHC 2097	Bazman, Iran; 20	MG744520	This study	G.
I. romeshkanicus	ZMFUM 10024	Romeshkan, Lorestan, Iran;21	MG744556	This study	M., G.
H. romeshkanicus	ZMB 75020	Romeshkan, Lorestan, Iran;21	-	Torki et al., 2011	M.
H. persicus	SUHC 1558	Jahrom,Iran;22	MG744536	This study	M., G.
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H. persicus	SUHC 1974	Marvdasht,Iran;23	MG744538	This study	M., G.
H. persicus	DHZCH132	Qeshm island, Iran;24	-	This study	M.
H. persicus	ZUTC R.1256	Bibi Hakemieh, KohgiloyehvaBoyerahmad, Iran;25	-	This study	М.
H. persicus	ZUTC R.1222	Bibi Hakemieh, KohgiloyehvaBoyerahmad, Iran;25	-	This study	M.
H. persicus	ZUTC R.1234	Bibi Hakemieh, KohgiloyehvaBoyerahmad, Iran;25	-	This study	М.
H. persicus	ZUTC R.1476	Jod Village, Sistan and Baluchistan, Iran;26	MG744552	This study	M., G.
1. persicus	SUHC 451	10 Km East of Evaz,Iran;27	-	This study	M.
1. persicus 1. persicus	SUHC 1787	10 Km East of Evaz, Iran;27	-	This study	M.
			- MC744F22		
I. persicus	SUHC 1416	Parishan region,Iran;28	MG744533	This study	G.
I. persicus	SUHC 1421	Parishan region, Iran; 28	MG744534	This study	G.
H. persicus	SUHC 1837	Darab,Iran;29	MG744537	This study	G.
H. persicus	SUHC 1211	Bushehr, Iran; 30	MG744528	This study	G.
H. persicus	CBSU R004	Kazeron, Iran; 31	-	This study	М.
1. persicus	CBSU B636	Kazeron,Iran;31	-	This study	M.
H. persicus H. persicus	ZMUB 41	Behbahan,Iran;11	MG744516	This study	M., G.
				This study	
l. persicus	ZMUB 42	Behbahan,Iran;11	MG744517		M., G.
I. romeshkanicus	ZMUB 43	Mehran, Ilam, 19	MG744518	This study	M.,G.
H. romeshkanicus	ZMUB 44	Mehran, Ilam, 19	MG744519	This study	M.,G.
l. persicus	ZMFUM10004	Farur Island,Iran;36	MG744521		G.
1. persicus	MVZHERP234385	Lipar Village, Sistan and Baluchistan, Iran;32	JQ957077	Šmíd et al.,2013	G.
I. persicus	FTHM005000	Mahshahr,Iran;33	JQ957074	Šmíd et al.2013	G.
H. persicus	FTHM005001	Mahshahr,Iran;33	JQ957075	Šmíd et al.2013	G.
I. romeshkanicus	FTHM005100	Bushehr, Iran; 34	JQ957076	Šmíd et al.2013	G.
H. persicus	NMP6V74807/1	Booreki,Iran;35	KC818691	Šmíd et al.,2013	G.
H. persicus	NMP6V74807/2	Booreki,Iran;35	KC818690	Šmíd et al.,2013	G.
H. kurdicus	CAS 262258	Kurdistan Region, Iraq;37	MG549189	Safaei-Mahroo et al.,2017	G.
H. kurdicus	CAS 262259	Kurdistan Region, Iraq;37	MG549190	Safaei-Mahroo et al.,2017	G.
H. kurdicus	CAS 262260	Kurdistan Region, Iraq;37	MG549191	Safaei-Mahroo et al.,2017	G.
H. persicus	CES 08027	NabhDongar, Rajasthan, India;38	KC735107	Bansal and Karanth, 2013	G.
H. persicus	CES 1_08027	NabhDongar, Rajasthan, India;38	HM595701	Bansal and Karanth, 2010	G.
	CAS 227612	Tanuf,Oman;39	DQ120337	Carranza and Arnold,2006	G.
H. hajarensis H. hajarensis	CAS 227614	Tanuf,Oman;39	DQ120338	Carranza and Arnold, 2006	G.

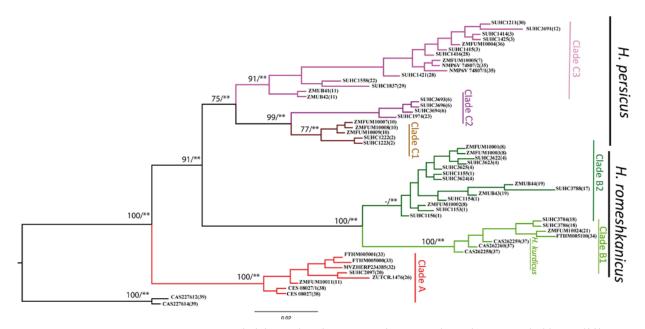


Figure 1. Bayesian 12S rRNA tree. Posterior probability and ML bootstrap values are indicated in star symbol (>99% (**), >95% (*)) and number on each branch of phylogenetic tree, respectively. Number in parenthesis showed locality of the specimens according to figure 2

(*H. romeshkanicus*) (0.000). Apart from this case, the lowest genetic distance was found between clades B_1 (*H. romeshkanicus*) and B_2 (0.026). The highest genetic distance was found between clades B_1 (*H. romeshkanicus*) and A as well as *H. kurdicus* and A (0.097). The most genetically divergent group was clade A, being sister to all other *H. persicus* clades. Haplotype network analyses revealed 18 haplotypes including five haplotype networks and three unique haplotypes recovered by TCS. Specimens of *H. kurdicus* with *H. romeshkanicus* formed the same haplotype (Fig. 3).

Principal Coordinate Analysis (PCoA) distinguished six groups of individuals along discriminate axes 1 and 2, which accounted for 61.91 % and 25.26 % of the genetic variation, respectively (Fig. 4). Along the first axis, clade A, separated from clades H. romeshkanicus, B, and C, while the second axis resolved the other clades, but clade C₂ and C₃ are very close to each other. Genetic distances were positively correlated with geographic distances among six population (Rxy=0.003). The AMOVA analyses revealed that more genetic variation within populations (60%) was observed than among the six populations of H. persicus (40%). The largest PhiPT value was between clades A and C_1 (0.666), with the smallest value between clades B₁ and B₂ (-0.044). Clade B₁ represents H. romeshkanicus. The PhiPT distances between clades B_1 (*H. romeshkanicus*) and B_2 (-0.044), and between clades C₁ and C₂ (0.138) were not statistically significant.

There was no significant sexual dimorphism in *H. persicus*, excluding the number of preanal pores, which are only present in males. Morphology divided the individuals of *H. persicus* and *H. romeshkanicus* into six groups according to the clades in the 12S rRNA topology. Morphological character summaries are shown in Table 4. CVA analyses of meristic and morphometric characters showed that clades A and *H. romeshkanicus*

are fully differentiated from other groups, clades C_1 and C_2 are distinct from other groups, and clades C_3 and B_2 overlap with each other (Table 3, Fig. 5). The holotype of *H. romeshkanicus* falls within clade B_1 , hence forth the *H. romeshkanicus* clade. Of thirty-one studied variables, SED/SVL, IO2/SVL and EEd/SVL had the highest CV1 and CV2 loadings (Table 5).

According to Vasconcelos & Carranza (2014), uncorrected genetic distances of up to 5.7% in 12SrRNA are considered to reflect high levels of genetic differentiation between different populations of Hemidactylus species. Interestingly, H. kurdicus shares the same haplotype with specimens of clade B₁ (H. romeshkanicus) (without genetic distance, 0.000). There is also little genetic differentiation between clade B, from Khuzestan and Ilam provinces and clade B₁ (H. romeshkanicus) from Lorstan province and Sulaimani, north-eastern Iraq, suggesting that these clades represent the same species at however high mitochondrial level of variation. Generally, H. kurdicus is not a distinct evolutionary lineage and synonymous with H. romeshkanicus, which has been described first by Torki et al. (2011). Taken together, five clades with significant genetic distances and eighteen different haplotypes are found within H. persicus of Iran, with H. romeshkanicus forming a distinct clade with a unique haplotype. However, unique haplotype networks according to defined clades probably imply the presence of isolated populations without gene flow. In addition, six haplotypes occur in clade C that include all individuals from Fars Province, with the exception of specimens from mountainous areas in the north, which are included in clade C₂, and lowland regions in southern Fars which are assigned to clade C₁. With respect to different geographical conditions, three clades of H. persicus exist in Fars Province that show high genetic variation and most likely long-term

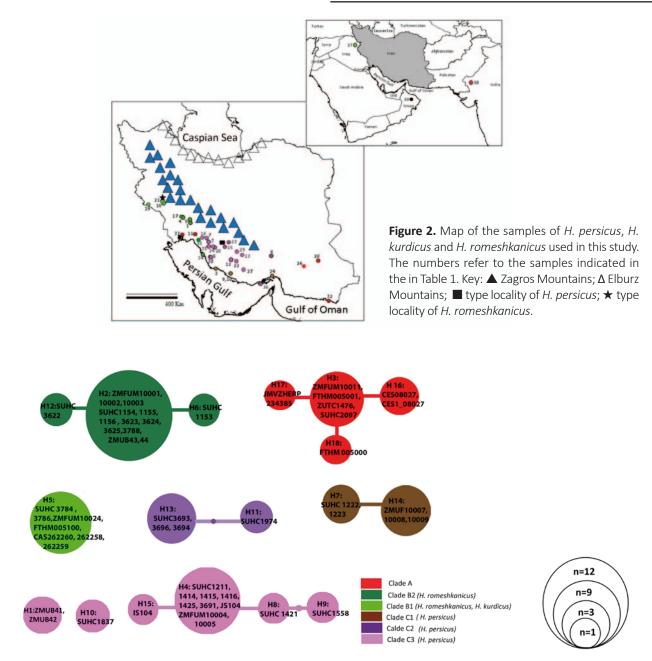


Figure 3. Haplotype networks constructed with statistical parsimony based on 399 bp of the mitochondrial 12S ribosomal RNA gene of *H. persicus, H. kurdicus* and *H. romeshkanicus* (50 individuals). Each circle represents one haplotype; size of circles is proportional to haplotype frequency.

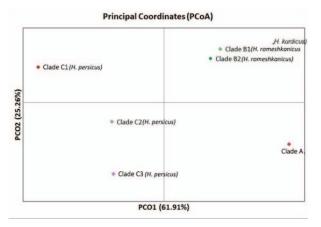
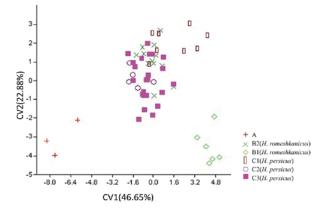
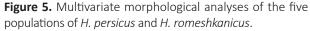


Figure 4. Principal coordinates analysis of five populations of *H. persicus, H. kurdicus* and *H. romeshkanicus*.





isolation. Morphologically, many external features of *Hemidactylus* species appear quite plastic, often varying within and between species (Carranza & Arnold, 2006). As a result, morphological characters may not be able to differentiate populations. Genetic distances suggest that clade C is characterised by deep interspecific variation between three main local populations from southern Iran (Bushehr and southern Fars Province; Clade C₁), central Iran (Kerman and northern Fars Province; Clade C₂), and southern Iran (central and eastern Fars Province; south-eastern Khuzestan; Clade C₃). Research is currently ongoing to clarify the phylogenetic relationships of *H. persicus* complex with more mitochondrial and nuclear genes.

The results derived from PCoA are compatible with our phylogenetic tree and morphological analyses. The individuals of clades C₂ and C₃ are closer in PCoA, PhiPT and morphological analyses, whereas in the phylogenetic tree clades C₃ and C₁ and clades C₁ and C₂ are closer than clades C₂ and C₃. The inconsistent results of clades C₂ and C₂ might be related to short geographic distances between the two clades which influence the PCoA, PhiPT and morphological analyses. The Mantel test showed a significant correlation with geographic and genetic distance, indicating that populations of H. persicus show a pattern of isolation by distance, which is usually explained by gene flow (Rousset, 1997). According to Šmíd et al. (2013), the long presence of H. persicus in Iran has resulted in high levels of intraspecific differentiation within the Iranian populations. Iran has two main mountain ranges that have played a significant role in the distribution, isolation and separation of reptile species; the Elburz Mountains that run from north-west to northeast and the Zagros Mountains that range from northwestern to south-eastern Iran (Fisher, 1968; Macey et al., 1998). The formation of the Zagros Mountains began by the collision of the Arabian lithospheric plate moving in a north-easterly direction with the Eurasian landmass, which took place from the Oligocene to the Miocene 35 -20 million years ago (Ma) (Mouthereau, 2011). According to Šmíd et al. (2013), the oldest reported dispersal of Hemidactylus from Arabia onto the Iranian Plateau occurred 13.1 Ma when the ancestor of H. persicus colonised Iran. The closest relatives of the Iranian H. persicus are found in UAE and northern Oman including H. luqueorum and H. hajarensis which are sister taxa of H. persicus. Dispersal therefore occurred most probably via the Gomphotherium land bridge connecting the Arabian and Anatolian plates approximately 18 Ma (Gardner 2009; Šmíd et al., 2013).

Geological events have led to the formation of different habitats and climatic conditions, separating the mountain regions from the Mesopotamian lowland populations and undoubtedly influencing the radiation, isolation, and differentiation of the Iranian herpetofauna (Wischuf & Fritz, 1996; Hrbek & Meyer, 2003; Feldman & Parham 2004; Rastegar-Pouyani et al., 2010). It seems likely that the ancestor of *H. persicus* penetrated the Iranian plateau from the south-west (basic dichotomy on the tree; clade A) and then dispersed to the more eastern parts (Gardner, 2009; Šmíd et al., 2013). Two

Table 2.	The	mensural	and	meristic	characters	used in this	
study.							

Characters	Definition
SVL	Maximum snout to vent length (from tip of snout to cloacal aperture)
HW	Head width (at the widest point of head)
НН	Head height (from occiput to underside of jaws)
HL	Head length(from tip of snout to the reteroarticular process of jaw)
CL	caudal length (from posterior edge of cloaca to tip of tail)
101	anterior interorbital distance (distance between left and right supracilary scale rows at anteriormost point of eyes)
102	posterior interorbital distance (distance between left and right supracilary scale rows at posterior- most point of eyes)
SL	supralabial scales (right)
IL	Infralabial scales (right)
4th SC	Scansors under 4th toe(Counts the sub digital lamellae in a single row of scales from the base of toe to the tip of the 4th toe)
1st SC	Scansors under 1st toe (Counts the sub digital lamellae in a single row of scales from the base of toe to the tip of the 1st toe)
OD	Orbital diameter (from greatest diameter of orbit)
EED	Eye to ear distance (from anterior edge of ear open- ing to posterior corner of eye)
SED	Snout to eye distance (from anterior point of eye to tip of snout)
DS	No. of dorsal scales (Counts the mid-way scales between the fore and hind limbs)
VS	No. of ventral scales (Counts the transverse row across the belly that includes the greatest number)
HLS	HL/SVL
HWS	HW/SVL
HHS	HH/SVL
OS	OD/SVL
O1S	IO1/SVL
O2S	102/SVL
ES	EED/SVL
SS	SED/SVL
HWH	HW/HL
ннн	HH/HL
HWHH	HW/HH
ОН	OD/HL
EH	EED/HL
SH	SED/HL

samples from India grouped with individuals of clade A, suggesting an eastward distribution from south-western Iran to India. The seven samples from Šmíd et al. (2013) are dispersed in our phylogenetic tree, including three samples from Brooki (Fars Province, Iran) that are located in clade C_3 ; one sample from Bushehr that is located in the *H. romeshkanicus* clade; three samples including one from Lipar village (Sistan and Baluchistan Province, Iran) and two others from Mahshar (extreme south-western Iran) are placed in clade A. The latter three samples **Table 3.** Average uncorrected genetic distances (p-distance) between and within individual clades of *H. persicus*, *H. kurdicus* and *H. romeshkanicus* from the Iranian plateau based on 399 bp fragment of 12SrRNA.

Population	H. kurdicus	Clade B ₂	Clade C ₃	Clade A	$Clade~C_{_1}$	$Clade\ C_2$	Clade B ₁	Within clades
H. kurdicus								0.000
Clade B	0.026							0.001
Clade C	0.088	0.085						0.008
Clade A	0.097	0.094	0.065					0.003
Clade C	0.076	0.080	0.044	0.054				0.002
Clade C	0.090	0.086	0.054	0.076	0.041			0.004
Clade B.	0.000	0.026	0.088	0.097	0.076	0.090	0.000	0.000

Table 4. Descriptive parameters of 25 metric and six meristic characters including maximum, minimum, mean, and standard error in the studied clades of *H. persicus* and *H. romeshkanicus*.

Shu 90.02+7.11 1.81.66.23 60.072-29.3 42.31-27.23 64.482.81 55.85 HW 6.551.04 5.51.7.59 5.88.034 3.28.7.43 6540.03 4.21.27.21.406 HM 6.551.04 5.51.7.59 5.88.034 3.28.7.43 6540.03 4.21.27.21.405 86.00 86.01 C1 - - 69.2244.84 53.07.81.05 86.00 86.01 C1 4.97.02.6 4.11.5.23 4.49.030 2.58.5.65 4.81.02.31 3.3 C0 3.552.06.2 2.39.4.18 4.04.01.31 2.54.6.49 4.51.02.31 3.3 SED 6.57.08.3 5.74.7.40 6.72.10.33 5.14.8.52 6.9860.51 4.2 VS 4.35.1.7 5.00.06.100 4.3.32.28 2.70.05.300 4.00.13.01.23 3.1 L/SV - 1.1660.03 1.07.71.23 1.20.24.006 0.0 L/SV - 0.25.00.04 0.27.0.21 0.22.00.05.00 0.24.0.21 0.26.000 0.07.0.00 0.07.0.00 <t< th=""><th>Population</th><th>Clade A</th><th>(n=3)</th><th>Clade B</th><th>, (n=13)</th><th>Clade B</th><th>1 (n=6)</th></t<>	Population	Clade A	(n=3)	Clade B	, (n=13)	Clade B	1 (n=6)
HW 12.23±1.54 10.69±1.378 11.96±0.64 7.72±1.40.6 13.10±0.44 12.12 HH 15.53±0.73 15.20±16.66 17.8±0.80 12.9±2.0.73 15.63±0.89 16. CL - - - 62.22±4.84 5.07 ±0.05 8.6.00 8.6.00 D10 4.97±0.62 4.7±5.23 4.49±0.30 2.68±5.65 4.8±0.23 3. D10 1.00 1.00 1.00 1.00.00 1.266±0.64 8.0 D10 3.55±0.62 2.93±1.8 4.04±0.31 2.54±6.49 4.5±10.23 3. D2 4.92±0.73 4.19±5.65 4.7±10.23 3.00±5.48 4.8±10.23 3.3 S20 6.3±10.3 5.7±0.43 5.7±0.40 7.2±10.33 5.14±8.52 6.9±0.05 1.4 3.2 S41 5.2 1.20.00±0.400 12.4±50.15 1.20.01±0.03 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Characters	Mean ± std. Error	Range	Mean ± std. Error	Range	Mean ± std. Error	Range
HH 6.551:04 5.51:7.59 5.88:03 3.887-7.43 6.94:06.3 4. HL 15.39:0.73 15.20:16.66 17.80:0.80 12.95:20:73 19.63:0.80 86. CL - - 69.22:4.84 53.07:81.05 88.00 86. CQ 6.68:0.82 5.86:7.51 6.69:0.49 3.21:8.30 7.75:0.34 6. CQ 8.50:0.62 2.93:4.18 6.69:0.49 3.21:8.30 7.75:0.34 6.8 CD 3.55:0.62 2.93:4.18 4.04:403 2.50:6.40 4.82:0.29 3. SED 6.57:70.83 5.74:7.40 6.72:40.33 5.14:8.52 6.98:0.51 4. AS 4.35:1.75 5.00:0.80 8.3:0.36 6.00:10:00 9.6:6:0:3.3 3.14:8.52 6.98:0.51 3. AS 4.3:2:2 12:00:0.10:0.3 12:0:0.92:0.01 2.7:0:32 12:0:0.13:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.3 12:0:0.0	SVL	59.02±7.21	51.81-66.23	60.97±2.93	42.31-72.73	64.48±2.81	55.65-73.06
Hi 15.20:16.66 17.8:0.80 12.9:20:73 15.80:8.98 16. CL - - 69.22:41.84 53.07.81.05 85.00 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 87.0 10.0	HW	12.23±1.54	10.69-13.78	11.96±0.64	7.72-14.06	13.01±0.44	12.05-14.49
CL - - 69224-84 53.0781.05 86.00 86. 021 6.6840.82 5.867-51 6.6940.49 3.218-30 7.7540.34 6. 021 8.561.5 8.00-9.00 8.5440.2 8.00-10.00 9.6640.49 8.1 021 3.555.05 2.934.18 4.0440.33 3.00-55.2 4.840.23 3. 020 3.555.05 2.934.18 4.0440.33 3.00-55.2 4.860.24 3.20 020 4.354.07 3.600-51.00 4.312.23 3.00-55.0 4.5604.44 3.2 020 4.351.75 5.00-05.100 4.312.23 2.00-05.00 4.5604.44 3.2 025 4.331 4.20-04.12 1.160.03 0.07-01.1 0.110-008 0.0 1252 1.2113.00 1.0.00-1.00 12.4540.15 1.20.03.0 0.30-00.0 0.07-0.11 0.110-00.08 0.0 14557 0.22.00.05 0.07-0.01 0.14-0.21 0.290-00.0 0.07-0.01 0.14-0.21 0.290-00.0 0.07-0.01	НН	6.55±1.04	5.51-7.59	5.88±0.34	3.88-7.43	6.94±0.63	4.83-9.38
cl. - - 60224.84 53.0781.05 86.00 86. 102 6.6810.82 5.867.51 6.6910.49 3.218.30 7.7510.33 3. 102 6.6810.82 5.867.51 6.6910.49 3.218.30 7.7510.33 4.67 101 10.10.00 11.0940.16 10.00.12.00 9.6610.49 8.1 201 3.5510.52 2.934.18 4.0440.33 5.044.52 4.690.43 3.5366.52 4.6370.03 5.747.40 4.77210.33 5.0044.52 4.690.44 3.2 2.005.00 4.6640.54 3.2 205 4.3517.5 5.00.08.00 8.6310.36 6.00-10.00 9.6640.33 9.0 2155 5.00.80.08 8.6310.36 6.00-10.00 9.6640.33 9.0 2154 10.00-11.00 12.4540.15 12.001.30 13.0040.03 0.0 2154 0.2212.00 0.250.29 0.2940.003 0.07-0.11 0.1160.008 0.0 2154 0.440.021 0.2940.003 0.07-0.013 0.1210.012 <td>HL</td> <td>15.93±0.73</td> <td>15.20-16.66</td> <td></td> <td>12.95-20.73</td> <td></td> <td>16.42-22.47</td>	HL	15.93±0.73	15.20-16.66		12.95-20.73		16.42-22.47
101 4.978.0.26 4.71-5.23 4.499.03 2.685-65 4.811-0.23 3. 102 6.688.0.32 5.86-75.1 6.699.0.49 3.21-8.30 7.755.0.3 6.6 11. 10 10-010.00 11.099.01.6 10.00-12.00 9.6660.06 11. 201 3.5560.62 2.93-4.18 4.044.03 2.544-649 4.514.023 3. 202 6.5710.63 5.74-740 6.7210.33 5.14-85.2 6.9860.51 4. 203 4.354.75 4.200.010 4.312.28 2.000.50.00 4.312.12 10.014.00 1.2450.15 1.200.13.00 9.6661.03 3.01 2145.2 1.000-140.00 1.2450.15 1.200.13.00 1.3000.02 0.0140.01 1.0140.00 0.07-011 0.0140.01 0.07-011 0.0140.01 0.07-011 0.0140.01 0.07-010 0.0140.00 0.07-010 0.0140.00 0.07-010 0.0140.00 0.07-010 0.0140.00 0.07-010 0.07+0.003 0.02-010 0.02-010 0.02-010 0.02-0100 0.07+0.003		-	-				86.00-86.00
102 6.680.082 5.867-51 6.690.049 3.218-30 7.750.34 6.6 5K 10 10-10.000 11.0940.16 10.00-12.000 12.660.06 11. 6L 8.550.5 8.009.00 8.5440.2 8.00-10.00 9.660.49 8.0 6D0 3.5550.6 2.934.18 4.0440.31 2.546.49 4.5140.2 3. 6D0 4.9240.73 4.195.66 4.7240.23 3.005.84 4.8210.29 3. 6D0 4.3557.5 5.005.100 4.3342.28 32.005.300 4.0064.14 3.4 6S1 5.55 5.008.00 8.8340.36 6.005.100 9.6660.33 9.07 4H/SVL 0.272.002 0.25-0.29 0.2940.004 0.27-0.32 0.340.003 0.0 0D/SVL 0.2400.006 0.0740.002 0.66-0.09 0.0740.002 0.06-0.09 0.0710.003 0.0 0D/SVL 0.0240.005 0.09-0.0074.002 0.66-0.09 0.01210.003 0.0 0D/SVL 0.0240.005 0.09-0.00 <td></td> <td>4.97+0.26</td> <td>4.71-5.23</td> <td></td> <td></td> <td></td> <td>3.89-5.53</td>		4.97+0.26	4.71-5.23				3.89-5.53
SL 10 10-10.00 11.090.16 10.00-12.00 9.660.49 8.54 DD 3.55210.62 2.39.4.18 4.0440.31 2.54-6.49 4.5120.23 3. SED 6.5740.83 5.74-7.40 6.7240.33 5.14-8.52 6.9820.51 4. SC 4.311 42.004.400 43.312.23 2.00.54.00 45.004.54 3. SC 6.3740.83 5.06.051.00 43.312.23 2.00.50.00 45.004.54 3. SC 6.32.57 5.06.00.00 12.4540.15 12.00.01.00 11.001.01 1.00.01.25 1.2 CL/SV 1.22.3 10.00.00 0.12.4540.15 12.01.30 30.00.03 0.00 HW/SV 0.2240.000 0.27-0.21 0.1940.006 0.14-0.21 0.2060.003 0.07 0.2/SV 0.1140.001 0.11-0.11 0.1940.005 0.08-0.12 0.0640.01 0.07 0.2/SV 0.0140.001 0.11-0.104 0.08-0.13 0.1226.003 0.0 0.2/SV 0.0840.002 0.8							6.83-8.73
L 8.540.5 8.00-9.00 8.540.2 8.00-10.00 9.6640.49 4.510.23 DD 3.550.65 2.394.18 4.0440.31 2.544.649 4.510.23 3. EED 4.922.0.73 4.195.65 4.7210.23 3.00-5.48 4.8220.29 3. SED 6.5710.083 5.74+7.40 6.7210.33 5.14+8.52 6.9880.51 4. DS 4.312.75 3.600-51.00 43.322.20 27.00-53.00 40.001.14.0 1.2 LLYN 1.22 1.000-14.00 1.24550.15 1.2.0-31.300 13.000-05.2 1.2 LLYN 0.225.029 1.160.03 0.07-1.11 0.026.006 0.040.01 0.020.007.003 0.06-0.09 0.07-0.01 0.027.002 0.066.001 0.02.002 0.066.001 0.02.025.02 0.086.003 0.06-0.09 0.07-0.03 0.06-0.09 0.07-0.03 0.02.002 0.02.025.02 0.02.025.02 0.02.025.02 0.02.025.02 0.02.02.01 0.02.000 0.02.25.02 0.02.01.00.03 0.02.02.01 0.02.00.03 0.02.02.01							11.00-15.00
DD 3.55±0.62 2.93+4.18 4.04±0.31 2.54-6.49 4.51±0.23 3. SED 6.57±0.83 5.74-7.40 6.72±0.33 5.14-8.52 6.98±0.51 4. SS 4.31±1 4.20±0.44.00 4.31±2.21 32.00-50.00 45.60±4.54 4.2 VS 4.35±7.5 5.00±0.00 16.85±0.35 6.00±1.00 9.66±0.33 9.1 StrSC 6.5±1.5 5.00±0.00 12.45±0.15 12.00±0.30 9.7±2.5 1.2113±0 1. L/SVL 0.22±0.00 0.25±0.29 0.29±0.004 0.27±0.32 0.30±0.003 0. M/SVL 0.22±0.000 0.14±0.21 0.20±0.006 0.0 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.005 0.00±0.003 0.2±0.002 0.00±0.003 0.2±0.002 0.00±0.003 0.2±0.003 0.2±0.003 0.2±0.003 0.2±0.003 0.2±0.003 0.2±0.003 0.2±0.003 0.2							8.00-11.00
EED 4.92±0.73 4.19-5.65 4.72±0.23 3.00-5.48 4.82±0.29 3. SED 6.57:0.08 5.74+740 6.72±0.33 5.14+8.52 6.98±0.51 4. DS 43±1 4.20:044.00 43.1±2.01 32.00-50.00 40.00:1.84 34. DS 6.55:1.0 5.00+8.00 8.63±0.36 6.00-10.00 9.66±0.33 9.9 HirS C 1.22 1.000-14.00 1.24±50.15 1.20.01.30.00 3.00±0.25 1.2 LXW - - 1.16±0.03 0.97+1.25 1.21.31±0 1. LXV 0.27±0.002 0.25±0.29 0.29±0.004 0.17±0.02 0.00000 0.002 0.27×10 0.08±0.002 0.08±0.002 0.06±0.005 0.06±0.01 0.02 0.06±0.001 0.07±0.002 0.06±0.003 0.06±0.003 0.02±0.01 0.02±0.01 0.02±0.02 0.09±0.002 0.06±0.008 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.02 0.09±0.003 0.05±0.003 0.05±0.003 0.05±0.003 0.05±0.003 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.68-5.36</td>							3.68-5.36
SED 6.57±0.83 5.74-7.40 6.72±0.33 5.14-8.52 6.98±0.51 4.4 05 4.31±2.10 32.00-51.00 43.1±2.21 32.00-50.00 45.00±3.3 32.1 05 6.5±1.5 5.00+8.00 8.63±0.36 6.00-10.00 9.66±0.33 59.1 1515C 5.00+8.00 8.63±0.36 6.00-10.00 9.66±0.33 59.1 1475VL 0.27±0.02 0.25±0.29 0.29±0.004 0.07-0.12 0.31±0.003 0.6 1475VL 0.27±0.02 0.25±0.29 0.29±0.006 0.14±0.01 0.02±0.006 0.02 0.25VL 0.21±0.003 0.06±0.03 0.06±0.03 0.06±0.03 0.02±0.006 0.02 0.075VL 0.11±0.004 0.11±0.014 0.11±0.005 0.06±0.03 0.02±0.006 0.02±0.006 0.02±0.005 0.0 0.075VL 0.11±0.0004 0.11±0.014 0.11±0.005 0.09±0.16 0.02±0.002 0.01±0.003 0.2±0.01 0.2±0.01 0.2±0.01 0.2±0.01 0.2±0.01 0.2±0.01 0.2±0.01 0.2±0.01							3.97-6.00
25 43±1 42.00-44.00 43.1±2.01 32.00-50.00 45.60±4.54 32.0 165 43.5±2.75 36.00-51.00 43.3±2.28 27.00-53.00 40.00±1.84 34. 165 12.21 10.00+4.00 12.45±0.15 12.00±1.30 13.00±0.25 12. 17/5V - - 1.16±0.03 0.97+1.25 1.211.340 1. 17/5V 0.22±0.0008 0.21+0.21 0.19±0.006 0.14+0.21 0.02±0.0065 0.0 17/5V 0.02±0.0008 0.21+0.21 0.19±0.006 0.14+0.21 0.02±0.006 0. 0.15/5V 0.11±0.004 0.11±0.11 0.1±0.004 0.02±0.002 0.06±0.005 0.06±0.005 0.06±0.005 0.06±0.005 0.06±0.005 0.02±0.002 0.05±0.003 0.02±0.002 0.05±0.003 0.02±0.002 0.05±0.003 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002 0.02±0.002							
VS 43.5tr.7.5 36.00~51.00 43.3tr.2.8 27.00~53.00 40.00t1.84 34. Its SC 1.2tr.2 10.00-14.00 12.45tp.15 12.00-13.00 13.00t0.25 12. VL/SVL - - 1.16t0.03 0.97-1.25 1.211340 1. VL/SVL 0.27t0.02 0.25-0.29 0.290.004 0.27-0.32 0.3020.005 0.0 VL/SVL 0.21t0.016 0.11+0.011 0.090.003 0.06-0.12 0.0660.001 0.0 0.2/SVL 0.0850.003 0.06-0.06 0.002 0.06-0.09 0.0720.002 0.06-0.09 0.0720.003 0.0 0.2/SVL 0.0850.002 0.08-0.09 0.0720.001 0.07-0.09 0.0720.003 0. 0.2/SVL 0.0810.002 0.08-0.09 0.0720.001 0.07-0.09 0.0720.003 0. 0.2/SVL 0.0810.002 0.08-0.09 0.0720.001 0.07-0.01 0.0270.003 0. 0.2/SVL 0.1161.0004 0.12-0.101 0.01 0.0270.001 0.0270.001 0.0270.001							4.98-8.66
Ist SC 6.5:1.5 5.00-8.00 8.63:0.36 6.00-10.00 9.66:0.33 9.1 Ith SC 1.2:4 10.00-14.00 12.45:0.15 12.00-13.00 13.00:0.25 12. L/SVL - - 1.66:0.3 0.97-1.25 1.2113:60 1. L/SVL 0.27:0.02 0.22:0.29 0.29:0.006 0.14:0.21 0.19:0.006 0.14:0.21 0.19:0.006 0.14:0.21 0.19:0.006 0.14:0.22 0.06:0.005 0.06:0.01 0.07:0.01 0.07:0.01 0.07:0.01 0.07:0.003 0.06:0.02 0.07:0.001 0.07:0.001 0.07:0.003 0.02:0.02 0.0 0.02:0.02 0.0 0.02:0.02 0.0 0.02:0.02 0.0 0.02:0.02 0.0 0.02:0.02 0.0:0:0.02:0:02 0.0:0	US .						32.00-60.00
th SC 12+2 10.00-14.00 12.45(n.15) 12.00-13.00 13.00+0.25 12.13340 H/SVL 0.27+0.02 0.25-0.29 0.29+0.004 0.27-0.32 0.30+0.003 0. H/SVL 0.21+0.01 0.11+0.104 0.11+0.11 0.09+0.003 0.07-0.11 0.10+0.008 0. D/SVL 0.0551:003 0.06-0.06 0.066:0.005 0.06-0.12 0.066:0.001 0.07 0.25/VL 0.0850:005 0.08-0.09 0.074:0.002 0.06-0.09 0.072:0.002 0.072:0.003 0. 0.25/VL 0.081:0.002 0.08-0.09 0.074:0.01 0.07-0.09 0.072:0.033 0. 0.25/VL 0.081:0.002 0.08-0.09 0.074:0.01 0.07-0.09 0.072:0.033 0. 0.25/VL 0.081:0.004 0.13-0.11 0.111:0.007 0.03 0. 0. 0.072:0.03 0. 0.25/VL 0.081:0.02 0.19:0.004 0.13-0.1 0.14:0.02 0.39:0.01 0.02:0.01 0.02:0.01 0.02:0.01 0.02:0.01 0.02:0.01 0.02:0.01 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>34.00-46.00</td>							34.00-46.00
L/Svl - 1.16±0.03 0.97-1.25 1.2113±0 1. H/Svl 0.22±0.00 0.21-0.21 0.19±0.006 0.14-0.21 0.20±0.006 0.0 H/Svl 0.11±0.010 0.11±0.11 0.09±0.003 0.07±0.01 0.0±0.005 0.06±0.003 0.0±0.006 0.0±0.008 0.0 0.0±0.003 0.0±0.006 0.0±0.003 0.0±0.006 0.0±0.008 0.0 0.0±0.006 0.0±0.006 0.0±0.008 0.0 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.006 0.0±0.0							9.00-11.00
HL/SVL 0.27:0.02 0.25:0.29 0.29:0.004 0.27:0.32 0.30:0.003 0.0 HH/SVL 0.11:0.004 0.11:0.11 0.09:0.005 0.07:0.11 0.10:0.008 0.0 0D/SVL 0.08:0.003 0.06:0.005 0.06:0.005 0.06:0.012 0.06:0.003 0.00 0Z/SVL 0.08:0.005 0.08:0.09 0.07:0.002 0.06:0.03 0.07:0.003 0.0 0Z/SVL 0.08:0.002 0.08:0.09 0.07:0.002 0.06:0.09 0.07:0.003 0.0 0Z/SVL 0.08:0.002 0.08:0.09 0.07:0.001 0.07:0.003 0.0 0Z/SVL 0.08:0.002 0.08:0.09 0.07:0.01 0.05:0.01 0.02:0.01 VH/HL 0.76:0.061 0.70:0.83 0.67:0.01 0.26:0.01 0.02:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.20:0.01 0.00:0 0.00:00 0.00:00 0.00:00 0.00:00 0.00:00 0.00:00 0.00:00 0.00:00 0.00:00:00 0.00:00:00 0.		12±2	10.00-14.00	12.45±0.15	12.00-13.00	13.00±0.25	12.00-14.00
HW/SVL 0.200008 0.21-0.21 0.190.006 0.14-0.21 0.200.006 0.0 D2/SVL 0.05±0.003 0.05+0.003 0.05+0.003 0.07+0.11 0.10±0.008 0.0 D2/SVL 0.05±0.005 0.08+0.09 0.07±0.002 0.065+0.09 0.07±0.003 0.0 D2/SVL 0.11±0.001 0.11+0.11 0.11±0.004 0.07±0.003 0.0 0.07±0.003 0.0 D2/SVL 0.11±0.0004 0.07+0.010 0.07+0.03 0.02±0.003 0.0 0.07±0.003 0.0 0.07±0.003 0.0 0.07±0.003 0.0 0.07±0.003 0.0 0.07±0.001 0.07±0.003 0.0		-	-	1.16±0.03	0.97-1.25	1.2113±0	1.21-1.21
HW/SVL 0.240.0008 0.21-0.21 0.194.006 0.14-0.21 0.2040.006 0.0 DD/SVL 0.0540.003 0.06-0.06 0.06640.003 0.07-0.11 0.1040.008 0.0 DD/SVL 0.0540.005 0.06-0.01 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.027500 0.0740.003 0.027500 0.0740.003 0.027500 0.0740.003 0.027500 0.0740.003 0.027500 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.003 0.0740.006 0.27504 0.1260.008 0.0 0.0740.003 0.27504 0.27504 0.27504 0.2750.00 0.0740.003 0.27604 0.3550.02 0.0 0.0740.005 0.02 0.01410.003 0.380.44 0.3740.01 0.276.03 0.2440.01 0.027/HL 0.2440.01 0.027/HL 0.2440.01 0.00 0.027/HL 0.2440.01 0.00 0.027/HL 0.2440.01 0.00 0.027/HL	HL/SVL	0.27±0.02	0.25-0.29	0.29±0.004	0.27-0.32	0.30±0.003	0.30-0.32
HH/SVL 0.11±0.004 0.11±0.11 0.09±0.003 0.07±0.11 0.10±0.008 0.0 02/SVL 0.08±0.003 0.06±0.005 0.06±0.005 0.06±0.010 0.02/SVL 0.02/SVL 0.08±0.002 0.08±0.009 0.07±0.001 0.07±0.003 0.0 02/SVL 0.08±0.002 0.08±0.09 0.07±0.001 0.07±0.003 0.0 02/SVL 0.08±0.002 0.08±0.09 0.07±0.001 0.07±0.003 0.0 02/VL 0.08±0.002 0.08±0.09 0.07±0.001 0.07±0.003 0.0 02/VL 0.04±0.004 0.3±0.01 0.27±0.41 0.3±0.03 0.1±0.005 0.09±0.11 0.1±0.003 0.0 0.0 02/VL 0.24±0.01 0.22±0.01 0.22±0.01 0.22±0.01 0.22±0.01 0.22±0.01 0.22±0.01 0.0							0.18-0.22
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.07-0.13
DJ/SVL 0.08+0.005 0.08-0.09 0.07+0.002 0.06-0.09 0.07+0.003 0.02 DZ/SVL 0.08+0.002 0.08-0.09 0.07+0.001 0.07-0.09 0.07+0.003 0.02 EED/SVL 0.08+0.002 0.08-0.09 0.07+0.001 0.07-0.09 0.07+0.003 0.02 EED/SVL 0.18+0.004 0.16-0.11 0.114+0.005 0.09-0.16 0.016+0.008 0.0 HW/HL 0.40+0.046 0.36-0.46 0.33±0.01 0.27-0.41 0.35±0.02 0.0 DD/HL 0.22±0.01 0.20-0.41 0.22±0.01 0.22±0.010 0.22±0.005 0.22±0.010 0.22±0.010 0.22±0.010 0.22±0.010 0.22±0.005 0.22±0.01 0.22±0.010 0.20/HL 0.22±0.002 0.39±0.01 0.0 0.22±0.01 0.21-0.31 0.2±1.010 0.22±0.010 0.20/HL 0.22±0.01 0.21-0.31 0.2±2±0.010 0.20/HL 0.24±0.01 0.0 0.22+0.21 0.20+0.21 0.25+0.53 0.25+0.53 0.25+0.53 0.25+0.25 0.22+0.01 0.20 0.20+0.01 0.0 0.20							0.07-0.07
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							0.07-0.09
EED/SVL 0.08±0.002 0.08±0.002 0.07±0.001 0.07±0.003 0.0 MV/HL 0.76±0.061 0.70±0.83 0.67±0.01 0.85±0.75 0.66±0.01 0.0 MV/HL 0.76±0.061 0.70±0.83 0.67±0.01 0.85±0.75 0.66±0.01 0.0 MV/HL 0.72±0.02 0.19.0.25 0.22±0.01 0.20±0.01 0.22±0.005 0.0 DD/HL 0.22±0.02 0.19.0.25 0.22±0.01 0.20±0.41 0.22±0.005 0.0 DZ/HL 0.41±0.03 0.38±0.44 0.37±0.01 0.34±0.54 0.35±0.02 0.0 DZ/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0.0 0.0 0.0 0.39±0.01 0.0							0.11-0.13
$\begin{split} \hline ED/SVL & 0.11\pm0.0004 & 0.11-0.11 & 0.11\pm0.005 & 0.09-0.16 & 0.10\pm0.008 & 0.0 \\ HV/HL & 0.76\pm0.061 & 0.70\pm0.83 & 0.67\pm0.01 & 0.58\pm0.76 & 0.66\pm0.01 & 0.0 \\ HV/HL & 1.87\pm0.06 & 1.32\pm1.94 & 2.04\pm0.06 & 1.80\pm2.60 & 1.93\pm0.13 & 1. \\ D/HL & 0.22\pm0.02 & 0.19\pm0.25 & 0.22\pm0.01 & 0.20\pm0.41 & 0.22\pm0.005 & 0.0 \\ ED/HL & 0.30\pm0.03 & 0.28\pm0.34 & 0.26\pm0.006 & 0.23\pm0.30 & 0.24\pm0.01 & 0.0 \\ ED/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.24\pm0.01 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.21\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.21\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.21\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.21\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.21\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.31 & 0.25\pm0.01 & 0.12\pm0.31 & 0.24\pm0.01 & 0.0 \\ D/HL & 0.31\pm0.002 & 0.31\pm0.32 & 0.37\pm0.02 & 0.25\pm0.55 & 5.96.7\pm1.15 & 51.1 \\ HV & 54.63\pm1.37 & 50.01\pm0.64 & 49.38\pm4.95 & 35.72\pm0.25 & 59.67\pm1.15 & 51.1 \\ HV & 10.63\pm0.22 & 9.70\pm1.168 & 9.45\pm0.94 & 6.78\pm11.80 & 11.72\pm0.25 & 9.7 \\ HV & 10.63\pm0.22 & 9.70\pm1.68 & 9.45\pm0.94 & 6.78\pm11.80 & 11.72\pm0.25 & 9.7 \\ HV & 10.63\pm0.22 & 5.70\pm0.13 & 3.25\pm0.33 & 3.15\pm5.03 & 4.36\pm0.09 & 3.0 \\ O1 & 4.22\pm0.14 & 3.72\pm5.01 & 3.92\pm0.33 & 3.15\pm5.03 & 4.36\pm0.09 & 3.0 \\ O2 & 6.03\pm0.23 & 5.13\pm6.98 & 5.53\pm0.82 & 3.20-7.90 & 6.33\pm0.19 & 4.0 \\ O1 & 4.22\pm0.14 & 3.02\pm5.07 & 3.65\pm0.37 & 3.75\pm0.26 & 4.55\pm0.17 & 8.0 \\ O2 & 6.03\pm0.23 & 5.03\pm0.88 & 5.5\pm0.82 & 3.20-7.90 & 6.33\pm0.19 & 4.25\pm0.07 & 3.05\pm0.17 & 8.0 \\ O2 & 6.03\pm0.23 & 5.13\pm6.98 & 5.5\pm0.82 & 3.20-7.90 & 6.33\pm0.19 & 4.25\pm0.02 & 3.32\pm0.14 & 3.01\pm0.004 & 0.000 & 9.00-9.00 & 9.5\pm0.17 & 8.0 \\ O2 & 6.03\pm0.23 & 5.13\pm6.98 & 5.5\pm0.82 & 3.20-7.90 & 6.33\pm0.19 & 4.25\pm0.02 & 1.00\pm0.00 & 3.0\pm0.11 & 2.25\pm0.05 & 1.25\pm0.05 & 0.25\pm0.06 & 0.07\pm0.001 & 0.01\pm0.014\pm0.004 & 0.01\pm0.00\pm0.003 & 0.02\pm0.023 & 0.31\pm0.014 & 0.01\pm0.004 & 0.01\pm$							
HW/HL 0.76±0.061 0.70±0.83 0.67±0.01 0.58±0.76 0.66±0.01 0.0 HW/HL 0.40±0.046 0.35±0.44 0.24±0.06 1.80±0.60 1.93±0.13 1. DD/HL 0.22±0.02 0.19.0.25 0.22±0.01 0.20±0.11 0.22±0.005 0. DD/HL 0.32±0.03 0.28±0.34 0.26±0.006 0.23±0.30 0.24±0.01 0. DD/HL 0.31±0.03 0.38±0.44 0.37±0.01 0.34±0.54 0.35±0.02 0. D2/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0. 0. D2/HL 0.41±0.05 0.32±0.09 3.5±0.52 5.7±0.52 5.7±0.52 5.7±0.52 5.7±0.52 5.7±0.50							0.06-0.09
HH/HL 0.40±0.046 0.33±0.01 0.27-0.41 0.35±0.02 0.0 DD/HL 0.22±0.02 0.19-0.25 0.22±0.01 0.20+0.41 0.22±0.005 0.0 DD/HL 0.32±0.02 0.19-0.25 0.22±0.01 0.20+0.41 0.22±0.02 0.0 DD/HL 0.41±0.03 0.38±0.44 0.37±0.01 0.34±0.54 0.35±0.02 0.0 DJ/HL 0.41±0.03 0.38±0.44 0.37±0.01 0.21±0.31 0.24±0.01 0.0 DJ/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0.0 OzyHL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0.0 OzyHL 0.41±0.03 0.39±0.45 0.57±0.25 0.35±0.02 4.0 0.8 0.41±0.51 0.65±5.53 5.96±7±1.15 51 VML 16.65±0.41 1.45±1.77 14.95±1.07 11.77±17.63 17.33±0.34 14.4 11.65±0.41 1.45±6.77.76 14.95±1.07 11.77±7.63 7.33±0.34 14.4	ED/SVL						0.07-0.13
HW/HH 1.87±0.06 1.82±1.94 2.04±0.06 1.82±6.02 1.93±0.13 1. D2/HL 0.30±0.03 0.28±0.34 0.26±0.006 0.23±0.30 0.24±0.01 0.3 D2/HL 0.41±0.03 0.28±0.34 0.25±0.01 0.3±0.54 0.35±0.02 0. D2/HL 0.41±0.03 0.38±0.44 0.37±0.01 0.34±0.54 0.35±0.02 0. D2/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.22±0.01 0.0 0.0 D2/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0. D2/HL 0.41±0.02 0.31±0.61.06 49.38±4.95 35.72±6.23 59±6.7±1.15 51. Daracters Mean ± std. Error Range Mean ± std. Error Range Mean ± std. Error 11.72±0.25 9.7 TH 4.96±0.21 4.09±5.70 4.1±0±0.51 1.65±0.41 14.5±1.76 14.95±1.07 11.72±0.25 9.7 TH 4.96±0.21 4.09±5.70 4.1±0±0.51 1.15±0.04 1.40±5.29 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.61-0.74</td>							0.61-0.74
DD/HL 0.22±0.02 0.19-0.25 0.22±0.01 0.20-0.41 0.22±0.005 0.0 EED/HL 0.41±0.03 0.28±0.34 0.26±0.006 0.23±0.30 0.24±0.01 0. 02/HL 0.31±0.002 0.31±0.31 0.25±0.01 0.21±0.31 0.24±0.01 0. 02/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0. 02/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0. 02/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0. 02/HL 0.41±0.03 0.39±0.45 0.75±0.50 0.24±0.01 0. 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.01 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00 0.02±0.00<							0.24-0.43
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	IW/HH	1.87±0.06	1.82-1.94	2.04±0.06	1.80-2.60	1.93±0.13	1.54-2.49
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DD/HL	0.22±0.02	0.19-0.25	0.22±0.01	0.20-0.41	0.22±0.005	0.21-0.25
ED/HL0.41±0.030.38-0.440.37±0.010.34-0.540.35±0.020.0 $O1/HL$ 0.31±0.0020.31-0.310.25±0.010.21-0.310.24±0.010.0 $O2/HL$ 0.41±0.030.39-0.450.37±0.020.25-0.500.39±0.010.0 $Opplation$ Clade C, (n=8)Clade C, (n=5)Clade C, (n=23)tharactersMean ± std. ErrorRangeMean ± std. ErrorI VL 54.63±1.3750.01-61.0649.38±4.9535.72-62.3559.67±1.15 VW 10.63±0.229.70-11.689.45±0.946.78-11.8011.72±0.259.7. HH 4.96±0.214.09-5.704.10±0.512.65-5.535.79±0.204. UL 16.15±0.4114.56±1.7614.95±1.0711.77±1.7613.73±0.3414. UL 57.74±4.6844.87-65.7548.5±5.2943.21-53.8071.25±4.0546. $O2$ 6.03±0.235.13-6.985.53±0.823.20-7.906.33±0.194. U 11.50±0.3210.00-13.0011.40±0.5010.00-13.0011.57±0.289.0 $O2$ 6.03±0.123.00+13.009.00±0.009.00±9.008.95±0.178.0 $O2$ 9.39±0.143.01+4.083.37±0.182.77-3.753.76±0.112. $O2$ 5.81±0.125.25-6.425.6±0.314.255-6.826.38±0.135. $O2$ 5.81±0.125.25-6.425.6±0.314.255-6.826.38±0.135. $O3$ 4.29±0.030.28±0.310.30±0.000 <td< td=""><td></td><td>0.30±0.03</td><td>0.28-0.34</td><td>0.26±0.006</td><td>0.23-0.30</td><td>0.24±0.01</td><td>0.21-0.28</td></td<>		0.30±0.03	0.28-0.34	0.26±0.006	0.23-0.30	0.24±0.01	0.21-0.28
Oil/HL 0.31±0.002 0.31±0.31 0.25±0.01 0.21±0.31 0.24±0.01 0.0 O2/HL 0.41±0.03 0.39±0.45 0.37±0.02 0.25±0.50 0.39±0.01 0.0 Opplation Clade C ₄ (n=8) Clade C ₄ (n=5) Clade C ₄ (n=23) Depart Std. Error Range Mean ± std. Error Range Mean ± std. Error I VL 54.63±1.37 50.01±61.06 49.38±4.95 35.72±62.35 59.67±1.15 51. VW 10.63±0.22 9.70±11.68 9.45±0.94 6.78±11.80 11.72±0.25 9.7 VH 4.96±0.21 4.09±5.70 4.10±0.51 2.65±5.53 5.79±0.20 4.4 16.15±0.41 14.56±17.76 14.95±1.07 11.77±17.63 17.33±0.34 14.4 20 6.03±0.23 5.13±6.98 5.53±0.82 3.20±7.90 6.33±0.19 4.4 21 1.50±0.32 10.00±13.00 11.40±0.50 10.00±13.00 11.57±0.28 9.0 22 6.03±0.23 5.13±6.05 3.10±0.09							0.22-0.41
$02/HL$ 0.41 ± 0.03 $0.39-0.45$ 0.37 ± 0.02 $0.25-0.50$ 0.39 ± 0.01 0.0 Population Clade C ₄ (n=8) Clade C ₄ (n=23) Clade C ₄ (n=23) Clade C ₄ (n=23) Characters Mean ± std. Error Range Mean ± std. Error Range Mean ± std. Error I $1M$ $50.01+61.06$ 49.38 ± 4.95 $57.2+62.35$ 59.67 ± 1.15 51.7 $1M$ 10.63 ± 0.22 $9.70-11.68$ 9.45 ± 0.94 6.78 ± 1.80 11.72 ± 0.25 9.7 $1H$ 4.96 ± 0.21 $4.09-5.70$ $4.100+0.51$ $2.65-5.53$ 5.79 ± 0.20 4.7 $1L$ 57.74 ± 4.68 $44.87-65.75$ 48.5 ± 2.9 $43.21-53.80$ 71.25 ± 4.05 46.62 $O1$ 4.22 ± 0.14 $3.72-5.01$ 3.92 ± 0.33 $3.15-5.03$ 4.36 ± 0.09 33 $O2$ 6.03 ± 0.32 $8.00-11.00$ $9.00-9.00$ 8.95 ± 0.17 8.02 $O2$ 6.33 ± 0.14 $3.01-4.08$ 3.37 ± 0.18 $2.77-3.75$ 3.76 ± 0.11 2.2	01/HI						0.21-0.30
OppulationClade $C_s (n=8)$ Clade $C_s (n=5)$ Clade $C_s (n=23)$ CharactersMean ± std. ErrorRangeMean ± std. ErrorRangeMean ± std. ErrorRangeSVL54.63±1.3750.01-61.0649.38±4.9535.72-62.3559.67±1.1551.HW10.63±0.229.70-11.689.45±0.946.78±1.8011.72±0.259.7HH4.96±0.214.09-5.704.10±0.512.65-5.535.79±0.204.HL16.15±0.4114.95±1.7614.95±1.0711.77±7.6317.33±0.34144.Cl57.74±4.6844.87-65.7548.5±5.2943.21-53.8071.25±4.0546.O14.22±0.143.72-5.013.92±0.333.15-5.034.36±0.093.O26.03±0.235.13-6.985.53±0.823.20-7.906.33±0.194.SL11.50±0.3210.00-13.0011.40±0.5010.00-13.0011.57±0.289.02L9.00±0.328.00-11.009.00±0.009.00±9.008.95±0.178.02DD3.39±0.143.01±0.483.37±0.182.77±3.753.76±0.112.SED5.81±0.125.25-6.425.64±0.434.25-6.826.33±0.135.SZ42.87±0.9140.00±7.0040.40±1.693.600±45.0046.41±2.2635.75SZ42.87±0.9140.00±7.0040.40±1.693.600±46.0043.40±1.1731.1SED5.81±0.125.25-6.425.64±0.434.25-6.826.33±0.135.SZ42.87±0.91 </td <td>01/HL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.37-0.45</td>	01/HL						0.37-0.45
Mean ± std. Error Range Mean ± std. Error Range Mean ± std. Error Range Mean ± std. Error I SVL 54.63±1.37 50.01-61.06 49.38±4.95 35.72-62.35 59.67±1.15 51.1 HW 10.63±0.22 9.70-11.68 9.45±0.94 6.78±11.80 11.72±0.25 9.7 HH 4.96±0.21 4.09-5.70 4.10±0.51 2.65-5.53 5.79±0.20 4. HL 16.15±0.41 14.56±17.76 14.95±1.07 11.77±17.63 17.33±0.34 14. CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. O1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. IO2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 L 9.00±0.32 8.00±11.00 9.0±0.00 9.00±0.00 8.95±0.17 8.0	02/112	0.41±0.05	0.33 0.43	0.37±0.02	0.23 0.30	0.5510.01	0.57 0.45
SVL 54.63±1.37 50.01-61.06 49.38±4.95 35.72-62.35 59.67±1.15 51. HW 10.63±0.22 9.70-11.68 9.45±0.94 6.78-11.80 11.72±0.25 9.7 HH 4.96±0.21 4.09-5.70 4.10±0.51 2.655-5.3 5.79±0.20 4. HL 16.15±0.41 14.56-17.76 14.95±1.07 11.77+17.63 17.33±0.34 14. CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. IO1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. IO2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 IL 9.00±0.32 8.00-11.00 9.01±0.00 9.00=9.00 8.95±0.17 8.0 SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 SL 1.05±0.32	Population	Clade C	, (n=8)	Clade C	C, (n=5)	Clade C	
HW 10.63±0.22 9.70-11.68 9.45±0.94 6.78-11.80 11.72±0.25 9.7 HH 4.96±0.21 4.09-5.70 4.10±0.51 2.65-5.53 5.79±0.20 4. HL 16.15±0.41 14.56-17.76 14.95±1.07 11.77-17.63 17.3±0.34 14.4 CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. IO1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. IO2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 IL 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 GD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.33±0.13 5. DS 41.87±2.07 33.	Characters	Mean ± std. Error	Range	Mean ± std. Error	Range	Mean ± std. Error	Range
HW 10.63±0.22 9.70-11.68 9.45±0.94 6.78-11.80 11.72±0.25 9.7 HH 4.96±0.21 4.09-5.70 4.10±0.51 2.65-5.53 5.79±0.20 4. HL 16.15±0.41 14.56-17.76 14.95±1.07 11.77-17.63 17.33±0.34 14.4 CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. IO1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. IO2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 CD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. EED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SV 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. Ist SC 8.75±0.45	SVL	54.63±1.37	50.01-61.06	49.38±4.95	35.72-62.35	59.67±1.15	51.40-68.63
HH 4.96 ± 0.21 $4.09-5.70$ 4.10 ± 0.51 $2.65-5.53$ 5.79 ± 0.20 $4.$ HL 16.15 ± 0.41 $14.56-17.76$ 14.95 ± 1.07 $11.77-17.63$ 17.33 ± 0.34 14.62 CL 57.74 ± 4.68 $44.87-65.75$ 48.5 ± 5.29 $43.21-53.80$ 71.25 ± 4.05 46.60 O1 4.22 ± 0.14 $3.72-5.01$ 3.92 ± 0.33 $3.15-5.03$ 4.36 ± 0.09 $3.$ O2 6.03 ± 0.23 $5.13-6.98$ 5.53 ± 0.82 $3.20-7.90$ 6.33 ± 0.19 $4.$ SL 11.50 ± 0.32 $10.00-13.00$ 11.40 ± 0.50 $10.00-13.00$ 11.57 ± 0.28 9.00 O2 3.39 ± 0.14 $3.01-4.08$ 3.37 ± 0.18 $2.77-3.75$ 3.76 ± 0.11 $2.$ CD 3.39 ± 0.14 $3.01-4.08$ 3.37 ± 0.18 $2.77-3.75$ 3.76 ± 0.11 $2.$ CD 5.81 ± 0.12 $5.25-6.42$ 5.64 ± 0.43 $4.25-6.82$ 6.38 ± 0.13 $5.$ SED 5.81 ± 0.12 $5.25-6.42$ 5.64 ± 0.43 $4.25-6.82$ 6.38 ± 0.13 $5.$ SED 5.81 ± 0.12 $5.25-6.42$ 5.64 ± 0.43 $4.25-6.82$ 6.38 ± 0.13 $5.$ SED 4.87 ± 0.91 $40.00-47.00$ 40.40 ± 1.69 $36.00-46.00$ 43.40 ± 1.17 $31.$ Ist SC 8.75 ± 0.25 $12.00-14.00$ 12.6 ± 0.50 $11.00-14.00$ 11.90 ± 0.15 $11.$ CL/SVL 1.06 ± 0.07 $0.86-1.18$ 1.27 ± 0.06 $1.21-1.33$ 1.59 ± 0.05 0.74×0.09 CL/SVL 0.09 ± 0.003 $0.08-0.10$ 0.08 ± 0.006 $0.07-0.11$ 0.99 ± 0.003							9.75-14.27
HL 16.15±0.41 14.56-17.76 14.95±1.07 11.77-17.63 17.33±0.34 14.4 CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. O1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 43.6±0.09 3. O2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.00 OL 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 OL 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 OL 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.11 2. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. SED 5.81±0.12 5.00-44.00 3.2±0.24 7.00-04.00 8.19±0.11 7. Ist SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>4.17-7.35</td></td<>							4.17-7.35
CL 57.74±4.68 44.87-65.75 48.5±5.29 43.21-53.80 71.25±4.05 46. O1 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. O2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 L 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. O2 8.18.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.11 7. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. SEC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. Stif SC 8.75±0.45 7.00-11.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
01 4.22±0.14 3.72-5.01 3.92±0.33 3.15-5.03 4.36±0.09 3. 02 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. 5L 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 02 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. 02D 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. 02D 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. 025 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.26 35. 125 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. 125 5C 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. 14t 5C 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.90±0.15 11. 12/5VL 0.06±0.07							14.00-19.90
O2 6.03±0.23 5.13-6.98 5.53±0.82 3.20-7.90 6.33±0.19 4. SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 L 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. SED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. SZ 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.6 35. SZ 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. Ist SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. Ist SC 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.99±0.05 0. Ist SC 0.29±0.003							46.73-90.14
SL 11.50±0.32 10.00-13.00 11.40±0.50 10.00-13.00 11.57±0.28 9.0 L 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. SED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. OS 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.26 35. VS 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. Sts C 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. Stt SC 8.75±0.45 7.00-11.400 12.6±0.50 11.00-14.00 11.99±0.05 0. CL/SVL 1.06±0.07 0.86-1.18 1.27±0.06 1.21-1.33 1.19±0.003 0.0 M//SVL 0.09±0.003 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.76-5.15</td>							3.76-5.15
L 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. EED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. SS 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.26 35. /S 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. lst SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. lst SC 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.90±0.15 11. lt/SVL 0.29±0.003 0.28-0.31 0.30±.0009 0.28-0.33 0.29±0.003 0. lt/SVL 0.19±0.002 0.18-0.20 0.20±0.011 0.18-0.24 0.19±0.004 0. lt/SVL 0.09±0.003<		6.03±0.23	F 12 C 00	5 53+0 82	3.20-7.90	£ 22±0 10	4 70 0 00
L 9.00±0.32 8.00-11.00 9.0±0.00 9.00-9.00 8.95±0.17 8.0 DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. EED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. SS 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.4±2.26 35. VS 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. Ist SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. Itt SC 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.90±0.15 11. It/SVL 0.29±0.003 0.28-0.31 0.30±.0009 0.28-0.33 0.29±0.003 0. It/SVL 0.19±0.002 0.18-0.20 0.20±0.011 0.18-0.24 0.19±0.004 0. 0.1/SVL 0.09±0.003<		44 50.0.00	5.13-6.98	J.JJ±0.02		0.55±0.19	4.79-8.05
DD 3.39±0.14 3.01-4.08 3.37±0.18 2.77-3.75 3.76±0.11 2. EED 4.20±0.14 3.70-5.07 3.65±0.37 2.55-4.58 4.45±0.12 3. SED 5.81±0.12 5.25-6.42 5.64±0.43 4.25-6.82 6.38±0.13 5. OS 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.26 35. VS 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. Ist SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. Its SC 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.90±0.15 11. VL/SVL 1.06±0.07 0.86-1.18 1.27±0.06 1.21-1.33 1.159±0.05 0. VL/SVL 0.19±0.003 0.28-0.31 0.30±.009 0.28±0.33 0.29±0.003 0. VL/SVL 0.19±0.003 0.08-0.10 0.08±0.006 0.07-0.11 0.99±0.003 0. D/SVL 0.09±0.0		11.50±0.32					4.79-8.05 9.00-15.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L		10.00-13.00	11.40±0.50	10.00-13.00	11.57±0.28	9.00-15.00
$\begin{array}{llllllllllllllllllllllllllllllllllll$		9.00±0.32	10.00-13.00 8.00-11.00	11.40±0.50 9.0±0.00	10.00-13.00 9.00-9.00	11.57±0.28 8.95±0.17	9.00-15.00 8.00-11.00
DS 41.87±2.07 33.00-48.00 38.2±2.47 30.00-45.00 46.41±2.26 35. /S 42.87±0.91 40.00-47.00 40.40±1.69 36.00-46.00 43.40±1.17 31. /st SC 8.75±0.45 7.00-11.00 9.20±0.20 9.00-10.00 8.19±0.11 7. /th SC 13.25±0.25 12.00-14.00 12.6±0.50 11.00-14.00 11.90±0.15 11. /L/SVL 1.06±0.07 0.86-1.18 1.27±0.06 1.21-1.33 1.159±0.05 0. /L/SVL 0.29±0.003 0.28-0.31 0.30±.0009 0.28-0.33 0.29±0.003 0. /W/SVL 0.19±0.002 0.18-0.20 0.20±0.011 0.18-0.24 0.19±0.004 0. /D/SVL 0.09±0.003 0.08-0.10 0.08±0.006 0.07-0.11 0.09±0.003 0. 02/SVL 0.06±0.001 0.06-0.07 0.06±0.003 0.06±0.001 0. 02/SVL 0.07±0.003 0.07-0.10 0.08±0.006 0.07±0.001 0. 02/SVL 0.11±0.003 0.12±0.007 <td>D</td> <td>9.00±0.32 3.39±0.14</td> <td>10.00-13.00 8.00-11.00 3.01-4.08</td> <td>11.40±0.50 9.0±0.00 3.37±0.18</td> <td>10.00-13.00 9.00-9.00 2.77-3.75</td> <td>11.57±0.28 8.95±0.17 3.76±0.11</td> <td>9.00-15.00 8.00-11.00 2.60-4.72</td>	D	9.00±0.32 3.39±0.14	10.00-13.00 8.00-11.00 3.01-4.08	11.40±0.50 9.0±0.00 3.37±0.18	10.00-13.00 9.00-9.00 2.77-3.75	11.57±0.28 8.95±0.17 3.76±0.11	9.00-15.00 8.00-11.00 2.60-4.72
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED	9.00±0.32 3.39±0.14 4.20±0.14	10.00-13.00 8.00-11.00 3.01-4.08 3.70-5.07	$\begin{array}{c} 11.40 {\pm} 0.50 \\ 9.0 {\pm} 0.00 \\ 3.37 {\pm} 0.18 \\ 3.65 {\pm} 0.37 \end{array}$	10.00-13.00 9.00-9.00 2.77-3.75 2.55-4.58	11.57±0.28 8.95±0.17 3.76±0.11 4.45±0.12	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD EED EED	9.00±0.32 3.39±0.14 4.20±0.14 5.81±0.12	10.00-13.00 8.00-11.00 3.01-4.08 3.70-5.07 5.25-6.42	11.40±0.50 9.0±0.00 3.37±0.18 3.65±0.37 5.64±0.43	10.00-13.00 9.00-9.00 2.77-3.75 2.55-4.58 4.25-6.82	11.57±0.28 8.95±0.17 3.76±0.11 4.45±0.12 6.38±0.13	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63
kth SC13.25±0.2512.00-14.0012.6±0.5011.00-14.0011.90±0.1511. L/SVL 1.06±0.070.86-1.181.27±0.061.21-1.331.159±0.050. u/SVL 0.29±0.0030.28-0.310.30±.0090.28-0.330.29±0.0030. u/SVL 0.19±0.0020.18-0.200.20±0.0110.18-0.240.19±0.0040. u/SVL 0.09±0.0030.08-0.100.08±0.0060.07-0.110.09±0.0030. D/SVL 0.06±0.0010.06-0.070.06±0.0030.06-0.080.06±0.0010. D/SVL 0.07±0.0030.07-0.100.08±0.0030.07-0.090.07±0.0010. D/SVL 0.07±0.0020.07-0.100.08±0.0030.07-0.090.07±0.0010. D/SVL 0.07±0.0020.07-0.090.07±0.0010.0. D/SVL 0.07±0.0020.07-0.090.07±0.0010.0. D/SVL 0.10±0.0010.10-0.110.11±0.0030.11-0.130.10±0.0040. ED/SVL 0.10±0.0010.60-0.690.62±0.020.58-0.690.67±0.0090. W/HL 0.30±0.0090.26-0.330.27±0.020.23-0.350.33±0.010. W/HH 2.16±0.081.89-2.582.34±0.111.96-2.562.05±0.061. ED/HL 0.20±0.0050.19-0.240.22±0.0040.21-0.240.21±0.0030. ED/HL 0.26±0.0070.23-0.290.24±0.0070.22-0.260.25±0.0060.	DD EED SED OS	9.00±0.32 3.39±0.14 4.20±0.14 5.81±0.12 41.87±2.07	10.00-13.00 8.00-11.00 3.01-4.08 3.70-5.07 5.25-6.42 33.00-48.00	$\begin{array}{c} 11.40 \pm 0.50 \\ 9.0 \pm 0.00 \\ 3.37 \pm 0.18 \\ 3.65 \pm 0.37 \\ 5.64 \pm 0.43 \\ 38.2 \pm 2.47 \end{array}$	10.00-13.00 9.00-9.00 2.77-3.75 2.55-4.58 4.25-6.82 30.00-45.00	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED ED SS YS	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91	$\begin{array}{c} 10.00\mathcal{-}13.00\\ 8.00\mathcal{-}11.00\\ 3.01\mathcal{-}4.08\\ 3.70\mathcal{-}5.07\\ 5.25\mathcal{-}6.42\\ 33.00\mathcal{-}48.00\\ 40.00\mathcal{-}47.00 \end{array}$	$\begin{array}{c} 11.40 \pm 0.50 \\ 9.0 \pm 0.00 \\ 3.37 \pm 0.18 \\ 3.65 \pm 0.37 \\ 5.64 \pm 0.43 \\ 38.2 \pm 2.47 \\ 40.40 \pm 1.69 \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00 \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00 31.00-53.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED SO S St SC	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91	$\begin{array}{c} 10.00\mathcal{-}13.00\\ 8.00\mathcal{-}11.00\\ 3.01\mathcal{-}4.08\\ 3.70\mathcal{-}5.07\\ 5.25\mathcal{-}6.42\\ 33.00\mathcal{-}48.00\\ 40.00\mathcal{-}47.00 \end{array}$	$\begin{array}{c} 11.40 \pm 0.50 \\ 9.0 \pm 0.00 \\ 3.37 \pm 0.18 \\ 3.65 \pm 0.37 \\ 5.64 \pm 0.43 \\ 38.2 \pm 2.47 \\ 40.40 \pm 1.69 \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00 \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00 31.00-53.00 7.00-9.00
HL/SVL 0.29±0.003 0.28-0.31 0.30±.0009 0.28-0.33 0.29±0.003 0.1 HW/SVL 0.19±0.002 0.18-0.20 0.20±0.011 0.18-0.24 0.19±0.004 0. HM/SVL 0.09±0.003 0.08-0.10 0.08±0.006 0.07-0.11 0.09±0.003 0.1 DD/SVL 0.06±0.001 0.06-0.07 0.06±0.003 0.06-0.08 0.06±0.001 0.1 DZ/SVL 0.07±0.003 0.07-0.10 0.08±0.003 0.07-0.09 0.07±0.001 0. DZ/SVL 0.11±0.003 0.09-0.12 0.11±0.009 0.08-0.13 0.10±0.002 0. CZ/SVL 0.07±0.002 0.07-0.09 0.07±0.0007 0.07-0.08 0.07±0.001 0. CZ/SVL 0.10±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0. CZ/SVL 0.10±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0. VM/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.58-0.69 0.67±0.009 0. HW/HL	DD EED SED SS /S Ist SC	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45	$\begin{array}{c} 10.00\text{-}13.00\\ 8.00\text{-}11.00\\ 3.01\text{-}4.08\\ 3.70\text{-}5.07\\ 5.25\text{-}6.42\\ 33.00\text{-}48.00\\ 40.00\text{-}47.00\\ 7.00\text{-}11.00 \end{array}$	$\begin{array}{c} 11.40 \pm 0.50 \\ 9.0 \pm 0.00 \\ 3.37 \pm 0.18 \\ 3.65 \pm 0.37 \\ 5.64 \pm 0.43 \\ 38.2 \pm 2.47 \\ 40.40 \pm 1.69 \\ 9.20 \pm 0.20 \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \\ 8.19 {\pm} 0.11 \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00 31.00-53.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD EED SED OS /S !st SC !st SC	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25	$\begin{array}{c} 10.00\text{-}13.00\\ 8.00\text{-}11.00\\ 3.01\text{-}4.08\\ 3.70\text{-}5.07\\ 5.25\text{-}6.42\\ 33.00\text{-}48.00\\ 40.00\text{-}47.00\\ 7.00\text{-}11.00\\ 12.00\text{-}14.00 \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 12.6\pm 0.50\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00 \end{array}$	$11.57\pm0.28\\8.95\pm0.17\\3.76\pm0.11\\4.45\pm0.12\\6.38\pm0.13\\46.41\pm2.26\\43.40\pm1.17\\8.19\pm0.11\\11.90\pm0.15$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 35.00-78.00 31.00-53.00 7.00-9.00 11.00-13.00
H/SVL 0.09±0.003 0.08-0.10 0.08±0.006 0.07-0.11 0.09±0.003 0.1 DD/SVL 0.06±0.001 0.06-0.07 0.06±0.003 0.06-0.08 0.06±0.001 0.0 DJ/SVL 0.07±0.003 0.07-0.10 0.08±0.003 0.07-0.09 0.07±0.001 0.0 DJ/SVL 0.07±0.003 0.07-0.10 0.08±0.003 0.07-0.09 0.07±0.001 0.0 D2/SVL 0.11±0.003 0.09-0.12 0.11±0.009 0.08±0.13 0.10±0.002 0.0 D2/SVL 0.07±0.002 0.07-0.09 0.07±0.0007 0.07-0.08 0.07±0.001 0.0 ED/SVL 0.10±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0.0 W/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.58-0.69 0.67±0.009 0.1 W/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. W/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DD/HL	DD ED SD SS SS SS SS SC SL/SVL	$\begin{array}{c} 9.00{\pm}0.32\\ 3.39{\pm}0.14\\ 4.20{\pm}0.14\\ 5.81{\pm}0.12\\ 41.87{\pm}2.07\\ 42.87{\pm}0.91\\ 8.75{\pm}0.45\\ 13.25{\pm}0.25\\ 1.06{\pm}0.07\\ \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18 \end{array}$	$\begin{array}{c} 11.40 \pm 0.50 \\ 9.0 \pm 0.00 \\ 3.37 \pm 0.18 \\ 3.65 \pm 0.37 \\ 5.64 \pm 0.43 \\ 38.2 \pm 2.47 \\ 40.40 \pm 1.69 \\ 9.20 \pm 0.20 \\ 12.6 \pm 0.50 \\ 1.27 \pm 0.06 \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33 \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \\ 8.19 {\pm} 0.11 \\ 11.90 {\pm} 0.15 \\ 1.159 {\pm} 0.05 \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00 31.00-53.00 7.00-9.00 11.00-13.00 0.83-1.35
DD/SVL 0.06±0.001 0.06-0.07 0.06±0.003 0.06-0.08 0.06±0.001 0.0 01/SVL 0.07±0.003 0.07-0.10 0.08±0.003 0.07-0.09 0.07±0.001 0.0 02/SVL 0.11±0.003 0.09-0.12 0.11±0.009 0.08-0.13 0.10±0.002 0.0 02/SVL 0.07±0.001 0.10-0.11 0.11±0.009 0.08-0.13 0.10±0.002 0.0 6ED/SVL 0.07±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0. 6ED/SVL 0.05±0.01 0.60-0.69 0.62±0.02 0.58-0.69 0.67±0.009 0. 4W/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.23-0.35 0.33±0.01 0. 4W/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. 4W/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. 0D/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. 6ED/HL <	DD EED SS SS Sst SC List SC CL/SVL HL/SVL	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25 1.06 ± 0.07 0.29 ± 0.003	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33 \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ \end{array}$	9.00-15.00 8.00-11.00 2.60-4.72 3.58-6.03 5.41-7.63 35.00-78.00 31.00-53.00 7.00-9.00 11.00-13.00 0.83-1.35 0.27-0.33
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED SED SS SS SC Uth SC CL/SVL HL/SVL HW/SVL	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24 \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \\ 8.19 {\pm} 0.11 \\ 11.90 {\pm} 0.15 \\ 1.159 {\pm} 0.05 \\ 0.29 {\pm} 0.003 \\ 0.19 {\pm} 0.004 \end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\end{array}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED SED SS SS SS SS SS SS SS SS SS SS SS SS SS	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002 0.09 ± 0.003	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ \end{array}$	$\begin{array}{c} 11.57 {\pm} 0.28 \\ 8.95 {\pm} 0.17 \\ 3.76 {\pm} 0.11 \\ 4.45 {\pm} 0.12 \\ 6.38 {\pm} 0.13 \\ 46.41 {\pm} 2.26 \\ 43.40 {\pm} 1.17 \\ 8.19 {\pm} 0.11 \\ 11.90 {\pm} 0.15 \\ 1.159 {\pm} 0.05 \\ 0.29 {\pm} 0.003 \\ 0.19 {\pm} 0.004 \\ 0.09 {\pm} 0.003 \end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\end{array}$
EE/SVL 0.07±0.002 0.07-0.09 0.07±0.007 0.07-0.08 0.07±0.001 0.1 EE/SVL 0.10±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0. MV/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.58=0.69 0.67±0.009 0. H/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. HW/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DP/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EE/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED SED SS SS SS SC Uth SC 2//SVL HL/SVL HW/SVL HH/SVL DD/SVL	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08 \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ \end{array}$
EE/SVL 0.07±0.002 0.07-0.09 0.07±0.007 0.07-0.08 0.07±0.001 0.1 EE/SVL 0.10±0.001 0.10-0.11 0.11±0.003 0.11-0.13 0.10±0.004 0. MV/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.58=0.69 0.67±0.009 0. H/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. HW/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DP/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EE/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED S S S S S S S S S S S S S S S S S	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\end{array}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DD ED S S S S S S S S S S S S S S S S S	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ \end{array}$
IV/HL 0.65±0.01 0.60-0.69 0.62±0.02 0.58-0.69 0.67±0.009 0. IH/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. IW/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DD/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EED/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED S S S S S S S S S S S S S S S S S	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \\ 0.11 \pm 0.003 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\end{array}$
HH/HL 0.30±0.009 0.26-0.33 0.27±0.02 0.23-0.35 0.33±0.01 0. HW/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DD/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EED/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED SED SS SS SS SS SS SS SS SS SS SS SS SS SS	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \\ 0.11 \pm 0.003 \\ 0.07 \pm 0.002 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.0007\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\end{array}$
IV/HH 2.16±0.08 1.89-2.58 2.34±0.11 1.96-2.56 2.05±0.06 1. DD/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EED/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED SED SED JS UST SC UST SC	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.003 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \\ 0.11 \pm 0.003 \\ 0.07 \pm 0.002 \\ 0.07 \pm 0.002 \\ 0.10 \pm 0.001 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\end{array}$
DD/HL 0.20±0.005 0.19-0.24 0.22±0.004 0.21-0.24 0.21±0.003 0. EED/HL 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD ED SED SS SS SS SS SS SS SS SS SS SS SS SS SS	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \\ 0.01 \pm 0.003 \\ 0.07 \pm 0.003 \\ 0.07 \pm 0.003 \\ 0.07 \pm 0.002 \\ 0.10 \pm 0.001 \\ 0.65 \pm 0.01 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.07\mbox{-}0.09\\ 0.12\\ 0.07\mbox{-}0.09\\ 0.11\\ 0.60\mbox{-}0.69\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.0007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\\ 0.67\pm 0.009\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\end{array}$
<i>EED/HL</i> 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD FED SED SS SS SS SS SS SS SS SS SS SS SS SS SS	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002 0.09 ± 0.003 0.06 ± 0.001 0.07 ± 0.003 0.11 ± 0.003 0.10 ± 0.002 0.10 ± 0.001 0.65 ± 0.01 0.30 ± 0.009	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\\ 0.67\pm 0.009\\ 0.33\pm 0.01\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\\ 0.25\text{-}0.41\\ \end{array}$
<i>EED/HL</i> 0.26±0.007 0.23-0.29 0.24±0.007 0.22-0.26 0.25±0.006 0.	DD EED SED SS VS Ist SC Ith SC 2L/SVL HV/SVL HV/SVL HV/SVL HV/SVL O1/SVL O2/SVL SED/SVL EED/SVL EED/SVL HV/HL H/HL	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002 0.09 ± 0.003 0.06 ± 0.001 0.07 ± 0.003 0.11 ± 0.003 0.07 ± 0.002 0.10 ± 0.001 0.65 ± 0.01 0.30 ± 0.009 2.16 ± 0.08	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ \end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\\ 0.67\pm 0.009\\ 0.33\pm 0.01\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\end{array}$
	DD ED S S S S S S S S S S S S S S S S S	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002 0.09 ± 0.003 0.06 ± 0.001 0.07 ± 0.003 0.11 ± 0.003 0.07 ± 0.002 0.10 ± 0.001 0.65 ± 0.01 0.30 ± 0.009 2.16 ± 0.08	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ 1.89\mbox{-}2.58\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.003\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ 2.34\pm 0.11\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ 1.96-2.56\end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\\ 0.67\pm 0.009\\ 0.33\pm 0.01\\ 2.05\pm 0.06\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\\ 0.25\text{-}0.41\\ \end{array}$
<u>ΣΕΠ/ΗΙ Π 36+0 006 Π 33-0 39 Ο 37+0 006 Ο 36-0 40 Ο 25+0 01 Ο 1</u>	0D EED SED DS VS 1st SC tth SC CL/SVL HL/SVL HL/SVL VW/SVL VD/SVL 00/SVL 002/SVL EED/SVL EED/SVL EED/SVL HW/HL HH/HL HH/HL HW/HH OD/HL	$\begin{array}{c} 9.00 \pm 0.32 \\ 3.39 \pm 0.14 \\ 4.20 \pm 0.14 \\ 5.81 \pm 0.12 \\ 41.87 \pm 2.07 \\ 42.87 \pm 0.91 \\ 8.75 \pm 0.45 \\ 13.25 \pm 0.25 \\ 1.06 \pm 0.07 \\ 0.29 \pm 0.003 \\ 0.19 \pm 0.002 \\ 0.09 \pm 0.003 \\ 0.06 \pm 0.001 \\ 0.07 \pm 0.003 \\ 0.11 \pm 0.003 \\ 0.11 \pm 0.003 \\ 0.11 \pm 0.003 \\ 0.07 \pm 0.002 \\ 0.10 \pm 0.001 \\ 0.65 \pm 0.01 \\ 0.30 \pm 0.009 \\ 2.16 \pm 0.08 \\ 0.20 \pm 0.005 \end{array}$	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ 1.89\mbox{-}2.58\\ 0.19\mbox{-}0.24\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.003\\ 0.08\pm 0.003\\ 0.08\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ 2.34\pm 0.11\\ 0.22\pm 0.004\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ 1.96-2.56\\ 0.21-0.24\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.3\pm 0.01\\ 2.05\pm 0.06\\ 0.21\pm 0.003\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\\ 0.25\text{-}0.41\\ 1.63\text{-}2.61\\ 0.18\text{-}0.24\end{array}$
	DD EED SED SED JS US SS SS SS SS SS SS SS SS SS SS SS SS	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 $1.3.25\pm0.25$ 1.06 ± 0.07 0.29 ± 0.003 0.09 ± 0.003 0.09 ± 0.003 0.06 ± 0.001 0.07 ± 0.003 0.11 ± 0.003 0.07 ± 0.002 0.10 ± 0.001 0.65 ± 0.01 0.30 ± 0.009 2.16 ± 0.08 0.20 ± 0.005 0.26 ± 0.007	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ 1.89\mbox{-}2.58\\ 0.19\mbox{-}0.24\\ 0.23\mbox{-}0.29\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ 2.34\pm 0.11\\ 0.22\pm 0.004\\ 0.24\pm 0.007\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ 1.96-2.56\\ 0.21-0.24\\ 0.22-0.26\end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.3\pm 0.01\\ 2.05\pm 0.06\\ 0.21\pm 0.003\\ 0.25\pm 0.006\end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.08\text{-}0.12\\ 0.08\text{-}0.12\\ 0.08\text{-}0.12\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\\ 0.25\text{-}0.41\\ 1.63\text{-}2.61\\ 0.18\text{-}0.24\\ 0.20\text{-}0.31\\ \end{array}$
01/HL 0.26±0.01 0.23-0.32 0.26±0.009 0.23-0.29 0.25±0.005 0.1 02/HL 0.37±0.01 0.31-0.40 0.36±0.03 0.24-0.45 0.36±0.009 0.1	DD EED SED SED JS VS 1st SC tht SC 2L/SVL HL/SVL HL/SVL HV/SVL OD/SVL OD/SVL OD/SVL EED/SVL EED/SVL EED/SVL HW/HL HH/HL HW/HL HW/HL EED/HL SED/HL SED/HL	9.00 ± 0.32 3.39 ± 0.14 4.20 ± 0.14 5.81 ± 0.12 41.87 ± 2.07 42.87 ± 0.91 8.75 ± 0.45 13.25 ± 0.25 1.06 ± 0.07 0.29 ± 0.003 0.19 ± 0.002 0.09 ± 0.003 0.06 ± 0.001 0.07 ± 0.003 0.11 ± 0.003 0.07 ± 0.002 0.10 ± 0.001 0.65 ± 0.01 0.30 ± 0.009 2.16 ± 0.08 0.20 ± 0.005 0.26 ± 0.007 0.36 ± 0.006	$\begin{array}{c} 10.00\mbox{-}13.00\\ 8.00\mbox{-}11.00\\ 3.01\mbox{-}4.08\\ 3.70\mbox{-}5.07\\ 5.25\mbox{-}6.42\\ 33.00\mbox{-}48.00\\ 40.00\mbox{-}47.00\\ 7.00\mbox{-}11.00\\ 12.00\mbox{-}14.00\\ 0.86\mbox{-}1.18\\ 0.28\mbox{-}0.31\\ 0.18\mbox{-}0.20\\ 0.08\mbox{-}0.10\\ 0.06\mbox{-}0.07\\ 0.07\mbox{-}0.10\\ 0.09\mbox{-}0.12\\ 0.07\mbox{-}0.09\\ 0.10\mbox{-}0.11\\ 0.60\mbox{-}0.69\\ 0.26\mbox{-}0.33\\ 1.89\mbox{-}2.58\\ 0.19\mbox{-}0.24\\ 0.23\mbox{-}0.29\\ 0.33\mbox{-}0.39\\ \end{array}$	$\begin{array}{c} 11.40\pm 0.50\\ 9.0\pm 0.00\\ 3.37\pm 0.18\\ 3.65\pm 0.37\\ 5.64\pm 0.43\\ 38.2\pm 2.47\\ 40.40\pm 1.69\\ 9.20\pm 0.20\\ 12.6\pm 0.50\\ 1.27\pm 0.06\\ 0.30\pm .0009\\ 0.20\pm 0.011\\ 0.08\pm 0.006\\ 0.06\pm 0.003\\ 0.08\pm 0.003\\ 0.11\pm 0.009\\ 0.07\pm 0.0007\\ 0.11\pm 0.003\\ 0.62\pm 0.02\\ 0.27\pm 0.02\\ 2.34\pm 0.11\\ 0.22\pm 0.004\\ 0.24\pm 0.007\\ 0.37\pm 0.006\end{array}$	$\begin{array}{c} 10.00-13.00\\ 9.00-9.00\\ 2.77-3.75\\ 2.55-4.58\\ 4.25-6.82\\ 30.00-45.00\\ 36.00-46.00\\ 9.00-10.00\\ 11.00-14.00\\ 1.21-1.33\\ 0.28-0.33\\ 0.18-0.24\\ 0.07-0.11\\ 0.06-0.08\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.09\\ 0.08-0.13\\ 0.07-0.08\\ 0.11-0.13\\ 0.58-0.69\\ 0.23-0.35\\ 1.96-2.56\\ 0.21-0.24\\ 0.22-0.26\\ 0.36-0.40\\ \end{array}$	$\begin{array}{c} 11.57\pm 0.28\\ 8.95\pm 0.17\\ 3.76\pm 0.11\\ 4.45\pm 0.12\\ 6.38\pm 0.13\\ 46.41\pm 2.26\\ 43.40\pm 1.17\\ 8.19\pm 0.11\\ 11.90\pm 0.15\\ 1.159\pm 0.05\\ 0.29\pm 0.003\\ 0.19\pm 0.004\\ 0.09\pm 0.003\\ 0.06\pm 0.001\\ 0.07\pm 0.001\\ 0.10\pm 0.002\\ 0.07\pm 0.001\\ 0.10\pm 0.004\\ 0.67\pm 0.009\\ 0.33\pm 0.01\\ 2.05\pm 0.06\\ 0.21\pm 0.003\\ 0.25\pm 0.006\\ 0.35\pm 0.01\\ \end{array}$	$\begin{array}{c} 9.00\text{-}15.00\\ 8.00\text{-}11.00\\ 2.60\text{-}4.72\\ 3.58\text{-}6.03\\ 5.41\text{-}7.63\\ 35.00\text{-}78.00\\ 31.00\text{-}53.00\\ 7.00\text{-}9.00\\ 11.00\text{-}13.00\\ 0.83\text{-}1.35\\ 0.27\text{-}0.33\\ 0.12\text{-}0.21\\ 0.08\text{-}0.12\\ 0.05\text{-}0.07\\ 0.06\text{-}0.09\\ 0.08\text{-}0.13\\ 0.06\text{-}0.09\\ 0.10\text{-}0.12\\ 0.57\text{-}0.77\\ 0.25\text{-}0.41\\ 1.63\text{-}2.61\\ 0.18\text{-}0.24\end{array}$

Table 5. Factor loadings of canonical variate analysis (CVA) of 31 morphological characters for the 58 specimens of *H. persicus* and *H. romeshkanicus*.

Characters	CV ₁	CV ₂
SVL	39.705	26.865
HW	29.252	18.666
HH	41.437	28.425
HL IO1	45.242 41.148	30.248 44.035
102	41.194	16.873
OD	54.858	11.709
EED	43.834	40.644
SED	32.829	19.96
HL/SVL	-772.13	-107.82
HW/SVL	-5.962	-7.9426
HH/SVL	-308.6	-118.62
OD/SVL	-931.89	-1818.7
IO1/SVL	-279.09	1072.1
IO2/SVL	1699.7	18.347
EED/SVL	-1404.8	701.88
SED/SVL	2778.4	579.07
HW/HL	251.45	206.15
HH/HL	93.773	-82.777
HW/HH	34.986	9.873
OD/HL	96.726	811.84
EED/HL	387.34	-409.82
SED/HL	-654.89	-34.759
IO1/HL	104.97	-578.45
IO2/HL	-459.2	183.4
SL	18.386	-4.128
IL	-12.804	-4.4937
DS	1.2861	7.2884
VS	7.6616	-0.19007
1st SC	14.834	-2.5593
4th SC	38.408	21.415
Eigenvalue	5.853	2.871
Accumulated percentage of variability	46.65	22.88

of *H. persicus* have a basal position in the phylogenetic tree relative to the other samples. The topology and phylogenetic positions of the Persian gecko of Šmíd et al., (2013) is consistent with their position in our data.

The results support the validity of H. romeshkanicus using morphological and molecular data. Interestingly, our phylogenetic inference revealed that H. kurdicus shares haplotypes with H. romeshkanicus. The new reported species is not representing a distinct evolutionary lineage and is synonymous with H. romeshkanicus. Hence, H. romeshkanicus is no longer endemic to Iran, expanding the distribution from the type locality (Iran, south of Lorestan, Romeshkan, Pole-e-Dokhtar) and the Khuzestan and Ilam provinces (all locations of specimens from clade B₂) to Iraq (south-western Sulaimani, Kurdistan region). Furthermore, the habitat of the two species is identical, representing by in oak woodlands of the Zagros forest steppe on western slopes separated only by the political border (Torki et al., 2011; Safaei-Mahroo et al., 2017). Hence, distribution of the species might be extended to central Iraq. Probably, the species is synonymous with previous described species of Iraq, Hemidactylus bornmuelleri Werner, 1895 that has been considered a synonym of H. persicus by Smith 1935. However, there is a need to collect specimens of Persian gecko from different regions of Iraq for final conclusion. These findings highlighted deep mitochondrial and morphological variations between different populations of the Persian gecko in Iran. Eventually, three definite species based on the molecular clades could be recognised: clade C corresponds to type locality of *H. persicus* and we therefore use the name *H. persicus* for this clade; clade B with the name *H. romeshkanicus*; and clade A, which might further represent a new cryptic species. Describing new species and studying variation in all populations is ongoing with additional loci for shedding more light on the clades of *H. persicus* in a further study.

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