

REFERENCES

- Baimai V, Andre RG, Harrison BA, Kijchalao U, Panthusiri L. Crossing and chromosomal evidence for two additional sibling species within the taxon *Anopheles dirus* Peyton and Harrison (Diptera: Culicidae) in Thailand. Proc Entomol Soc Wash 1987; 89: 157-66.
- Baimai V. Heterochromatin accumulation and karyotypic evolution in some dipteran insects. Zool Stud 1998; 37: 75-88.
- Baimai V, Kijchalao U, Rattarithikul R, Green CA. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: II. Maculatus group, Neocellia series, subgenus *Cellia*. Mosq Syst 1993a; 5: 116-23.
- Baimai V, Kijchalao U, Rattarithikul R. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: V. Myzomyia series, Subgenus *Cellia* (Diptera: Culicidae). J Am Mosq Control Assoc 1996a; 12: 97-105.
- Baimai V, Kijchalao U, Rattarithikul R. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: VI. The Pyretophorus and the Neomyzomyia series, subgenus *Cellia* (Diptera: Culicidae). J Am Mosq Control Assoc 1996b; 12: 669-75.
- Baimai V, Poopittayasataporn A, Kijchalao U. Cytological differences and chromosomal rearrangements in four members of the *Anopheles dirus* complex (Diptera: Culicidae). Genome 1988; 30: 372-9.
- Baimai V, Rattarithikul R, Kijchalao U. Metaphase karyotypes of *Anopheles* of Thailand and Southeast Asia: I. The *hyrcanus* group. J Am Mosq Control Assoc 1993b; 9: 59-67.
- Baker EZ, Beier JC, Meek SR, Wirtz RA. Detection and quantification of *Plasmodium falciparum* and *P. vivax* infections in Thai Kampuchean *Anopheles* (Diptera:

- Culicidae) by enzyme linked immunosorbent assay. *J Med Entomol* 1987; 24: 536-41.
- Baker RH, French WL, Kitzmiller JB. Induced copulation in *Anopheles* mosquitoes. *Mosq News* 1962; 22: 16-7.
- Beebe NW, Saul A. Discrimination of all members of the *Anopheles punctulatus* complex by polymerase chain reaction restriction fragment length polymorphism analysis. *Am J Trop Med Hyg* 1995; 53: 478-81.
- Calado DC, Foster PG, Bergo ES, dos Santos CLS, Galardo AKR, Sallum MAM. Resurrection of *Anopheles goeldii* from synonymy with *Anopheles nuneztovari* (Diptera, Culicidae) and a new record for *Anopheles dunhami* in the Brazilian Amazon. *Mem Inst Oswaldo Cruz* 2008; 103: 791-9.
- Chabpunnarat S. Cytogenetic study of the *Anopheles maculatus* complex. M.Sc. Thesis, Bangkok, Mahidol University 1988.
- Chai JY. Re-emerging *Plasmodium vivax* malaria in the Republic of Korea. *Korean J Parasitol* 1999; 37: 129-43.
- Chen B, Butlin RK, Pedro PM, Wang XZ, Harbach RE. Molecular variation, systematics and distribution of the *Anopheles fluviatilis* complex in southern Asia. *Med Vet Entomol* 2006; 20: 33-43.
- Choochote W, Abeyewickreme W, Sucharit S, Tumrasvin W, Rongsriyam Y. Laboratory hybridization of *Anopheles philippinensis* and *Anopheles annularis* in Thailand. *J Parasit Trop Med Ass Thailand* 1984; 7: 7-11.
- Choochote W. Evidence to support karyotypic variation of the mosquito *Anopheles peditaeniatus* in Thailand. *J Insect Sci* 2011; 11: 10.
- Choochote W, Jitpakdi A, Rongsriyam Y, Komalamisra N, Pitasawat B, Palakul K. Isoenzyme study and hybridization of two forms of *Anopheles sinensis* (Diptera: Culicidae) in Northern Thailand. *Southeast Asian J Trop Med Public Health* 1998; 29: 841-7.

- Choochote W, Jitpakdi A, Sukontason K, Jitpakdi A, Sukontason K, et al. Intraspecific hybridization of two karyotypic forms of *Anopheles vagus* (Diptera: Culicidae) and the related egg surface topography. *Southeast Asian J Trop Med Public Health* 2002a; 33 (suppl 3): 29-35.
- Choochote W, Rongsriyam Y, Leemingsawat S, Jitpakdi A, Komalamisra N, Surathin K, et al. Intraspecific hybridization of *Anopheles minimus* (Diptera: Culicidae) species A and C in Thailand. *Southeast Asian J Trop Med Public Health* 2002b; 33 (suppl 3): 23-8.
- Choochote W, Saeung A. Systematic techniques for the recognition of *Anopheles* species complexes, in: S. Manguin (Ed.), *Anopheles* mosquitoes-New insights into malaria vectors. InTech 2013; 57-79.
- Division of filariasis. Department of Communicable Disease Control, Thai Ministry of Public Health 1998; 1-33.
- Faulde MK, Hoffmann Ralf, Fazilat KM, Hoerauf A. Malaria re-emergence in Northern Afghanistan. *Emerg Infect Dis* 2007; 13: 1402-4.
- Folmer O, Black M, Hoeh W, Lutz R, Vrijenhoek R. DNA primers for amplification of mitochondrial cytochrome *c* oxidase subunit I from diverse metazoan invertebrates. *Mol Mar Biol Biotechnol* 1994; 3: 294-9.
- Frances SP, Klein TA, Wirtz RA, Eamsila C, Linthicum KJ. *Plasmodium falciparum* and *Plasmodium vivax* circumsporozoite antigen in *Anopheles* collected in eastern Thailand. *J Med Entomol* 1996; 33: 990-1.
- Gao Q, Beebe NW, Cooper RD. Molecular identification of the malaria vectors *Anopheles anthropophagus* and *Anopheles sinensis* (Diptera: Culicidae) in central China using polymerase chain reaction and appraisal of their position within the Hyrcanus group. *J Med Entomol* 2004; 41: 5-11.
- Garros C, Harbach RE, Manguin S. Morphological assessment and molecular phylogenetics of the Funestus and Minimus Groups of *Anopheles* (*Cellia*). *J Med Entomol* 2005; 42: 522-36.

- Gingrich J, Weatherhead A, Sattabongkot J, Pilakasiri C, Wirtz RA. Hyperendemic malaria in Thai Village: dependence of year-round transmission on focal and seasonally circumscribed mosquito (Diptera: Culicidae) habitats. *J Med Entomol* 1990; 27: 1016-26.
- Green CA, Gass RF, Munstermann LE, Baimai V. Population-genetic evidence for two species in *Anopheles minimus* in Thailand. *Med Vet Entomol* 1990; 4: 25-34.
- Hall TA. BioEdit: a user-friendly biological sequence alignment editor and analysis program for Windows 95/ 98/NT. *Nucleic Acids Symposium Series* 1999; 41: 95-8.
- Harbach RE. *Anopheles* classification, Mosquito taxonomic inventory, 2014 <http://mosquito-taxonomic-inventory.info/node/11358> [Accessed 10 July 2014].
- Harbach RE, Gingrich JB, Pang LW. Some entomological observations on malaria transmission in a remote village in northwestern Thailand. *J Am Mosq Control Assoc* 1987; 3: 296-301.
- Harbach RE. The classification of genus *Anopheles* (Diptera: Culicidae): a working hypothesis of phylogenetic relationships. *Bull Entomol Res* 2004; 95: 537-53.
- Harrison BA. A lectotype designation and description for *Anopheles* (*An.*) *sinensis* Wiedemann 1828, with a discussion of the classification and vector status of this and some other Oriental *Anopheles*. *Mosq Syst* 1973; 5: 1-13.
- Harrison BA. Medical entomology studies: XIII. The *Myzomyia* series of *Anopheles* (*Cellia*) in Thailand with emphasis on intra-interspecific variations (Diptera: Culicidae). *Contr Am Entomol Inst* 1980; 17: 1-195.
- Harrison BA, Rattanaarithikul R, Peyton EL, Mongolpanya K. Taxonomic changes, revised occurrence records and notes on the Culicidae of Thailand and neighboring countries. *J Am Mosq Control Assoc* 1991; 22: 196-227.
- Harrison BA, Scanlon JE. Medical entomology studies II. The subgenus *Anopheles* in Thailand (Diptera: Culicidae). *Contr Am Entomol Inst* 1975; 12: 1-307.

- Hempolchom C, Otsuka Y, Baimai V, Thongsahuan S, Saeung A, Taai K, et al. Development of a multiplex PCR assay for the identification of eight species members of the Thai *Hyrchanus* Group (Diptera: Culicidae). *Appl Entomol Zool* 2013; 48: 469-76.
- Hwang UW. Revisited ITS2 phylogeny of *Anopheles* (*Anopheles*) *hyrcanus* group mosquitoes: re-examination of unidentified and misidentified ITS2 sequences. *Parasitol Res* 2007; 101: 885-94.
- Hwang UW, Tang TH, Kobayashi M, Yong TS, Ree HI. Molecular evidence supports that *Anopheles anthropophagus* from China and *Anopheles lesteri* from Japan are the same species. *J Am Mosq Control Assoc* 2006; 22: 324-6.
- Hwang UW, Yong TS, Ree HI. Molecular evidence for synonymy of *Anopheles yatsushiroensis* and *An. pullus*. *J Am Mosq Control Assoc* 2004; 20: 99-104.
- Joshi D, Choochote W, Park MH, Kim JY, Kim TS, Suwonkerd W, et al. The susceptibility of *Anopheles lesteri* to infection with Korean strain of *Plasmodium vivax*. *Malar J* 2009; 8: 42.
- Joshi D, Kim JY, Choochote W, Park MH, Min GS. Preliminary vivax malaria vector competence for three members of the *Anopheles hyrcanus* group in the Republic of Korea. *J Am Mosq Control Assoc* 2011; 27: 312-4.
- Joshi D, Park MH, Saeung A, Choochote W, Min GS. Multiplex assay to identify Korean vectors of malaria. *Mol Ecol Resour* 2010; 10: 748-50.
- Junkum A, Jitpakdi A, Jariyapan N, Komalamisra N, Somboon P, Suwonkerd W, et al. Evidence to support two conspecific cytological races on *Anopheles aconitus* in Thailand. *J Vector Ecol* 2005; 30: 213-24.
- Kanda T. Improved techniques for the preparation of polytene chromosome for some anopheline mosquitoes. *Mosq News* 1979; 39: 568-74.

- Kanda T, Takai K, Chiang GL, Cheong WH, Sucharit S. Hybridization and some biological facts of seven strains of the *Anopheles leucosphyrus* group (Reid, 1968). *Jpn J Sanit Zool* 1981; 32: 321-9.
- Kanojia PC, Shetty PS, Geevarghese G. A long-term study on vector abundance & seasonal prevalence in relation to the occurrence of Japanese encephalitis in Gorakhpur district, Uttar Pradesh. *Indian J Med Res* 2003; 117: 104-10.
- Kimura MA. Simple method for estimating evolutionary rates of base substitution through comparative studies of nucleotide sequences. *J Mol Evol* 1980; 16: 111-20.
- Kitthawee S, Edman JD. Adult body size and biting activity of field populations of *Anopheles dirus* (Diptera: Culicidae). *Southeast Asian J Trop Med Public Health* 1995; 26: 582-5.
- Klein TA, Harrison BA, Baimai V, Phunkitchar V. Hybridization evidence supporting separate species status for *Anopheles nivipes* and *Anopheles philippinensis*. *Mosq News* 1984; 44: 466-70.
- Komalamisra N. Genetic variability in isoenzymes of *Anopheles minimus* group from various localities in Thailand. *Jpn J Sanit Zool* 1989; 41: 69-80.
- Lee WJ, Klein TA, Kim HC, Choi YM, Yoon SH, Chang KS, et al. *Anopheles kleini*, *Anopheles pullus* and *Anopheles sinensis*: potential vectors of *Plasmodium vivax* in the Republic of Korea. *J Med Entomol* 2007; 44: 1086-90.
- Li C, Groebner JL, Kim HC, Klein TA, O'Guinn ML, Wilkerson RC. A newly recognised species in the *Anopheles* Hyrcanus Group and molecular identification of related species from the Republic of South Korea (Diptera: Culicidae). *Zootaxa* 2005; 939: 1-8.
- Linton YM, Dusfour I, Howard TM, Ruiz F, Manh ND, Dinh TH, et al. *Anopheles* (*Cellia*) *epiroticus* (Diptera:Culicidae), a new malaria vector species in the Southeast Asian Sundaicus Complex. *Bull Entomol Res* 2005; 95: 329-39.

- Liu C. Comparative studies on the role of *Anopheles anthropophagus* and *Anopheles sinensis* in malaria transmission in China. *Zhonghua Liu Xing Bing Xue Za Zhi* 1990; 11: 360-3.
- Ma Y, Xu J. The hyrcanus group of *Anopheles* (*Anopheles*) in China (Diptera: Culicidae): species discrimination and phylogenetic relationships inferred by ribosomal DNA internal transcribed spacer 2 sequences. *J Med Entomol* 2005; 42: 610-9.
- Ma Y, Yang P. Taxonomic study on *Anopheles anthropophagus* from China (Diptera: Culicidae): inferred by morphology, chromosome karyotype and molecular markers. *Kun Chong Fen Lei Xue Bao* 2005; 27: 199-208.
- Min GS, Choochote W, Jitpakdi A, Kim SJ, Kim W, Jung J, et al. Intraspecific hybridization of *Anopheles sinensis* (Diptera: Culicidae) strains from Thailand and Korea. *Mol Cells* 2002; 14: 198-204.
- Mourya DT, Ilkal MA, Mishra AC, Jacob PG, Pant U, Ramanujam S, et al. Isolation of Japanese encephalitis virus from mosquitoes collected in Karnataka State, India from 1985 to 1987. *Trans R Soc Trop Med Hyg* 1989; 83: 550-2.
- Ngo CT, Harbach RE, Garros C, Parzy D, Le HQ, Manguin S. Taxonomic assessment of *Anopheles crawfordi* and *An. dangi* of the Hyrcanus Group of subgenus *Anopheles* in Vietnam. *Acta Trop* 2013; 128: 623-9.
- Nylander JAA. MrModeltest v2. Program distributed by the author, Evolutionary Biology Centre, Uppsala University, Sweden, 2004.
- Ow Yang CK, Sta Maria FL, Wharton RH. Maintenance of a laboratory colony of *Anopheles maculatus* by artificial mating. *Mosq News* 1963; 23: 34-5.
- Paredes-Esquivel C, Donnelly MJ, Harbach RE, Townson, H. A molecular phylogeny of mosquitoes in the *Anopheles barbirostris* subgroup reveals cryptic species: implications for identification of disease vectors. *Mol Phylogenet and Evol* 2009; 50: 141-51.

- Park MH, Choochote W, Junkum A, Joshi D, Tuetan B, Saeung A, et al. Reproductive isolation of *Anopheles sinensis* from *Anopheles lesteri* and *Anopheles sineroides* in Korea. *Genes & Genomics* 2008a; 30: 245-52.
- Park MH, Choochote W, Junkum A, Somboon P, Saeung A, Tuetan B, et al. Non reproductive isolation among four allopatric strains of *Anopheles sinensis* in Asia. *J Am Mosq Control Assoc* 2008b; 24: 489-95.
- Park SJ, Choochote W, Jitpakdi A, Junkum A, Kim SJ, Jariyapan N, et al. Evidence for a conspecific relationship between two morphologically and cytologically different forms of Korean *Anopheles pullus* mosquito. *Mol Cells* 2003; 16: 354-60.
- Paskewitz SM, Wesson DM, Collins FH. The internal transcribed spacers of ribosomal DNA in five members of the *Anopheles gambiae* species complex. *Insect Mol Biol* 1993; 2: 247-57.
- Rattanarithikul R, Harrison BA, Harbach RE, Panthusiri P, Coleman RE. Illustrated keys to the mosquitoes of Thailand IV. *Anopheles*. *Southeast Asian J Trop Med Public Health* 2006; 37 (Suppl. 2): 1-128.
- Rattanarithikul R, Konishi E, Linthicum KJ. Detection of *Plasmodium vivax* and *Plasmodium falciparum* circumsporozoites antigen in anopheline mosquitoes collected in southern Thailand. *Am J Trop Med Hyg* 1996; 54: 114-21.
- Ree HI, Hwang UW, Lee IY, Kim TE. Daily survival and human blood index of *Anopheles sinensis*, the vector species of malaria in Korea. *J Am Mosq Control Assoc* 2001; 17: 67-72.
- Ree HI, Yong TS, Hwang UW. Identification of four species of the *Anopheles hyrcanus* complex (Diptera: Culicidae) found in Korea using species-specific primers for polymerase chain reaction assay. *Med Entomol Zool* 2005; 56: 201-5.
- Reid JA. Anopheline mosquitoes of Malaya and Borneo. *Stud Inst Med Res Malaya* 1968; 31: 1-520.

- Reid JA. The *Anopheles hyrcanus* group in South-East Asia (Diptera Culicidae). Bull Entomol Res 1953; 44: 5-76.
- Reid JA. Notes on anopheline mosquitoes from Malaya with descriptions of three new species. Ann Trop Med Parasitol 1963; 57: 97-116.
- Reid JA, Wilson T, Ganapathipillai A. Studies on filariasis in Malaya: the mosquito vectors of periodic *Brugia malayi* in north-west Malaya. Ann Trop Med Parasitol 1962; 56: 323-36.
- Rongnoparut P, Sirichotpakorn N, Rattanarithikul R, Yaicharoen S, Linthicum KJ. Estimates of gene flow among *Anopheles maculatus* populations in Thailand using microsatellite analysis. Am J Trop Med Hyg 1999; 60: 508-15.
- Rongsriyam Y, Jitpakdi A, Choochote W, Asavanich A, Tookyang B, Budsbong B. Light and scanning electron microscopy of the eggs of *Anopheles sinensis* (Diptera : Culicidae). Mosq-Borne Dis Bull 1996; 13: 1-7.
- Ronquist F, Teslenko M, van der Mark P, Ayres DL, Darling A, Höhna S, et al. MrBayes 3.2: efficient Bayesian phylogenetic inference and model choice across a large model space. Syst Biol 2012; 61: 539-42.
- Rueda LM, Li C, Kim HC, Klein TA, Foley DH, Wilkerson RC. *Anopheles belenrae*, a potential vector of *Plasmodium vivax* in the Republic of Korea. J Am Mosq Control Assoc 2010; 26: 430-2.
- Rueda LM. Two new species of *Anopheles* (*Anopheles*) *hyrcanus* group (Diptera: Culicidae) from the Republic of South Korea. Zootaxa 2005; 941: 1-26.
- Rueda LM, Wilkerson RC, Li C. *Anopheles* (*Anopheles*) *lesteri* Baisas and Hu (Diptera: Culicidae): neotype designation and description. Proc Entomol Soc Wash 2005; 107: 604-62.
- Ruiz F, Linton YM, Ponsonby DJ, Conn JE, Herrera M, Quiñones ML, et al. Molecular comparison of topotypic specimens confirms *Anopheles* (*Nyssorhynchus*)

- dunhami* Causey (Diptera: Culicidae) in the Colombian Amazon. Mem Inst Oswaldo Cruz 2010; 105: 899-903.
- Sasa M. 1976. Human filariasis: A global survey of epidemiology and control. University of Tokyo Press, Tokyo.
- Saeung A. *Anopheles* (Diptera: Culicidae) species complex in Thailand: Identification distribution, bionomics and malaria-vector importance. Int J Parasitol Res 2012; 4: 75-82.
- Saeung A, Baimai V, Otsuka Y, Rattanarithikul R, Somboon P, Junkum A, et al. Molecular and cytogenetic evidence of three sibling species of the *Anopheles barbirostris* form A (Diptera: Culicidae) in Thailand. Parasitol Res 2008; 102: 499-507.
- Saeung A, Otsuka Y, Baimai V, Somboon P, Pitasawat B, Tuetun B, et al. Cytogenetic and molecular evidence for two species in the *Anopheles barbirostris* complex (Diptera: Culicidae) in Thailand. Parasitol Res 2007; 101: 1337-44.
- Saitou N, Nei M. The neighbor-joining method: a new method for reconstructing phylogenetic trees. Mol Biol Evol 1987; 4: 406-25.
- Sandosham AA. Malariology, with special reference to Malaya, University of Malaya Press, Singapore; 1959, 322 p.
- Sawabe K, Takagi M, Tsuda Y, Tuno N. Molecular variation and phylogeny of the *Anopheles minimus* complex (Diptera: Culicidae) inhabiting Southeast Asian countries, based on ribosomal DNA internal transcribed spacers, ITS1 and 2, and the 28S D3 sequences. Southeast Asian J Trop Med Public Health 2003; 34: 771-80.
- Sawadipanich Y, Baimai V, Harrison BA. *Anopheles dirus* species E: chromosomal and crossing evidence for another member of the *dirus* complex. J Am Mosq Control Assoc 1990; 6: 477-81.
- Scanlon JE, Peyton EL, Gould DJ. An annotated checklist of the *Anopheles* of Thailand. Thai Natl Sci Pap Fauna Ser 1968; 2: 1-35.

- Sharpe RG, Harbach RE, Butlin RK. Molecular variation and phylogeny of members of the *Minimus* group of *Anopheles* subgenus *Cellia* (Diptera: Culicidae). *Syst Entomol* 2000; 25: 263-72.
- Sharpe RG, Hims MM, Harbach RE, Butlin RK. PCR-based methods for identification of species of the *Anopheles minimus* group: allele-specific amplification and single-strand conformation polymorphism. *Med Vet Entomol* 1999; 13: 265-73.
- Singh OP, Chandra D, Nanda N, Sharma SK, Htun PT, Adak T, et al. On the conspecificity of *Anopheles fluviatilis* species S with *Anopheles minimus* species C. *J Biosci* 2006; 31: 671-7.
- Singh OP, Nanda N, Dev V, Bali P, Sohail M, Mehrunnisa A, et al. Molecular evidence of misidentification of *Anopheles minimus* as *Anopheles fluviatilis* in Assam (India). *Acta Trop* 2010; 113: 241-4.
- Somboon P, Thongwat D, Choochote W, Walton C, Takagi M. Crossing experiments of *Anopheles minimus* species C and putative species E. *J Am Mosq Control Assoc* 2005; 21: 5-9.
- Somboon P, Thongwat D, Morgan K, Walton C. Crossing experiment of *Anopheles maculatus* form K and *Anopheles willmori* (James) (Diptera: Culicidae). *Parasitol Res* 2008; 103: 1317-22.
- Somboon P, Tuno N, Tsuda Y, Takagi M. Evidence of the specific status of *Anopheles flavirostris* (Diptera: Culicidae). *J Med Entomol* 2000; 37: 476-9.
- Somboon P, Walton C, Sharpe RG, Higa Y, Tuno N, Tsuda Y, et al. Evidence for a new sibling species of *Anopheles minimus* from the Ryukyu Archipelago, Japan. *J Am Mosq Control Assoc* 2001; 17: 98-113.
- Subbarao SK. Anopheline species complexes in South-East Asia. World Health Organization Technical Publication SEARO 1998; 18: 1-82.
- Sucharit S, Choochote W. Hybridization of *Anopheles minimus* and *Anopheles aconitus* (Diptera: Culicidae) in Thailand. *J Med Entomol* 1982; 19: 209-92.

- Sucharit S, Harrison BA, Rattanaarithikul R. A dark unspotted phenotype of *Anopheles (Cellia) maculatus* Theobald, with notes on its inheritance (Diptera: Culicidae). *Mosq Syst* 1979; 11: 163-71.
- Sucharit S, Komalamisra N, Leemingsawat S, Apiwathanasorn C, Thongrunkiat S. Population genetic studies on the *Anopheles minimus* species complex in Thailand. *Southeast Asian J Trop Med Public Health* 1988; 19: 717-23.
- Sucharit S, Surathinth K, Chaisri U, Thongrunkiat S, Samang Y. New evidence for the differed characters of *Anopheles minimus* species complex. *Mosq Borne Dis Bull* 1995; 12: 1-6.
- Sukowati S, Baimai V. A standard cytogenetic map for *Anopheles sundaicus* (Diptera: Culicidae) and evidence for chromosomal differentiation in populations from Thailand and Indonesia. *Genome* 1996; 39: 165-73.
- Sukowati S, Baimai V, Harun S, Dasuki Y, Andris H, Efriwati M. Isozyme evidence for three sibling species in the *Anopheles sundaicus* complex from Indonesia. *Med Vet Entomol* 1999; 13: 408-14.
- Suwannamit S, Baimai V, Otsuka Y, Saeung A, Thongsahuan S, Tuetun B, et al. Cytogenetic and molecular evidence for an additional new species within the taxon *Anopheles barbirostris* (Diptera: Culicidae) in Thailand. *Parasitol Res* 2009; 104: 905-18.
- Takai K, Kanda T, Ogawa KI, Sucharit S. Morphological differentiation in *Anopheles maculatus* of Thailand accompanied with genetical divergence assessed by hybridization. *J Am Mosq Control Assoc* 1987; 3: 148-53.
- Tamura K, Dudley J, Nei M, Kumar S. MEGA4: Molecular Evolution Genetics Analysis (MEGA) software version 4.0. *Mol Biol Evol* 2007; 24: 1596-9.
- Thompson JD, Higgins DG, Gibson TJ. CLUSTALW: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, positions-

specific gap penalties and weight matrix choice. *Nucleic Acids Res* 1994; 22: 4673-80.

Thongsahuan S, Baimai V, Otsuka Y, Saeung A, Tuetun B, Jariyapan N, et al. Karyotypic variation and geographic distribution of *Anopheles campestris*-like (Diptera: Culicidae) in Thailand. *Mem Inst Oswaldo Cruz* 2009; 104: 558-66.

Thongwat D, Morgan K, O'loughlin MS, Walton C, Choochote W, Somboon P. Crossing experiment supporting the specific status of *Anopheles maculatus* chromosomal form K. *J Am Mosq Control Assoc* 2008; 24: 194-202.

Van Bortel W, Trung HD, Manh ND, Roelants P, Verle P, Coosemans M. Identification of two species within the *Anopheles minimus* complex in northern Vietnam and their behavioural divergences. *Trop Med Int Health* 1999; 4: 257-65.

Walton C, Handley JM, Kuvangkadilok C, Collins FH, Harbach RE, Baimai V, et al. Identification of five species of the *Anopheles dirus* complex from Thailand, using allele-specific polymerase chain reaction. *Med Vet Entomol* 1999; 13: 24-32.

Whang IJ, Jung J, Park JK, Min GS, Kim W. Intragenomic length variation of the ribosomal DNA intergenic spacer in a malaria vector, *Anopheles sinensis*. *Mol Cells* 2002; 14: 158-62.

White GB, Coluzzi M, Zahar AR. Review of cytogenetic studies on anopheline vectors of malaria, 1975. http://apps.who.int/iris/bitstream/10665/65716/1/WHO_MAL_75.849.pdf.

Wilkerson RC, Li C, Rueda LM, Kim HC, Klein TA, Song GH, et al. Molecular confirmation of *Anopheles (Anopheles) lesteri* from the Republic of South Korea and its genetic identity with *An. (Ano.) anthropophagus* from China (Diptera: Culicidae). *Zootaxa* 2003; 378: 1-14.

Zhang HL. The natural infection rate of mosquitoes by Japanese encephalitis B virus in Yunnan Province. Zhonghua Yu Fang Yi Xue Za Zhi 1990; 24: 265-7.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

LIST OF PUBLICATIONS

- 1) **Taai K**, Baimai V, Saeung A, Thongsahuan S, Min GS, Otsuka Y, Park MH, Fukuda M, Somboon P, Choochote W. Genetic compatibility between *Anopheles lesteri* from Korea and *Anopheles paraliae* from Thailand. Mem Inst Oswaldo Cruz 2013; 108: 312-20.
- 2) **Taai K**, Baimai, V, Thongsahuan S, Saeung A, Otsuka Y, Srisuka W, Sriwichai P, Somboon P, Jariyapan N, Choochote W. Metaphase karyotypes of *Anopheles paraliae* (Diptera: Culicidae) in Thailand and evidence to support five cytological races. Trop Biomed 2013; 30: 238-49.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved