

CHAPTER 5

CONCLUSION

In summary, contrast to the former report, no significant positive association of HLA-DRB1 and DQB1 with GD was observed in the southern Thai population. However, the negative association of HLA-DRB1*0701 allele (which has no arginine at position 74) with GD was confirmed in the southern Thai population. Therefore, the lack of arginine at position 74 on the β -chain of HLA-DR molecule does provide a protective effects on GD susceptibility across the populations. Complete sequence determination in very large sample sizes and additional functional studies will be required to further distinguish and the complex etiology of AITD will be further unraveled.