Appendix A

**Initial Search Terms**

(*endophenotype* OR *biomarker* OR *early detection* OR *risk factor* OR *vulnerability*)AND *autism* OR *Asperger* NOT *TI* (*ADHD* OR *attention deficit-hyperactivity disorder*)NOT *TI Alzheimer* NOT *SU intervention* NOT *SU screen time* NOT *SU service model\** NOT *SU epidemiology* NOT *SU service delivery\** NOT *SU animal model\** NOT *SU* (*demographic\** OR *socioeconomic\**)

**Follow-up Search Terms**

(*intermediate phenotype*)AND(*autism* OR *Asperger*)

(*attention shifting* OR *set shifting* OR *disengagement*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*audition* OR *auditory* OR *auditory processing* OR *auditory perception* OR *temporal*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*emotion or emotional* OR *empath\**)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*language* OR *tone* OR *acoustic* OR *cry*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*perception* OR *gestalt* OR *part whole* OR *top down* OR *response inhibition* OR *sensory gating*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*rapid naming* OR *rapid automatized naming*)AND *SU* (*autism* OR *Asperger* OR *ASD*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*sensation* OR *tactile*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *genetic vulnerability*)AND *SU autism*

(*reward* OR *error monitoring* OR *reward monitoring* OR *reward anticipation*)AND *SU* (*autism* OR *Asperger* OR *ASD*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

*connectivity* AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*

(*oscillation* OR *lateralization*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*joint attention* OR *gaze* OR *social scene* OR *eye-contact*)AND *SU* (*autism* OR *ASD* OR *Asperger*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*theory of mind*)AND *SU* (*autism* OR *ASD* OR *Asperger’s*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability*)

(*stereotypy* OR *repetitive behavior*)AND(*predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability* AND *SU* (*autism* OR *ASD* OR *Asperger*)

(*structural* OR *MRI*)AND *predictor* OR *risk factor* OR *endophenotype* OR *biomarker* OR *familial trait* OR *genetic liability* OR *vulnerability* AND(*autism* OR *ASD* OR *Asperger*)

**Targeted RDoC Search Terms**

(“*attention to face*”)AND(*autism*)

(“*attention to eyes*”)AND(*autism*)

(“*attention to speech*”)AND(*autism*)

(*vocal prosody*)AND(*autism*)

(“*biologic\* motion*”)AND(*autism*)

(*social attention*)AND(*autism*)

(“*memory for faces*”)AND(*autism*)

(“*attachment*”)AND(*autism*)

(“*strange situation*”)AND(*autism*)

(“*habituation to faces*”)AND(*autism*)

(“*face recognition*”)AND(*autism*)

(“*facial identity after effects*”)AND(*autism*)

(“*facial expression recognition*”)AND(*autism*)

(“*reading the mind in the eyes*”)AND(*autism*)

(“*reading the mind in the voice*”)AND(*autism*)

(“*preference for faces*”)AND(*autism*)

(“*preference for voices*”)AND(*autism*)

(“*speech perception*”)AND(*autism*)

(“*infant-directed speech*”)AND(*autism*)

(“*social smiling*”)AND(*autism*)

(“*still face paradigm*”)AND(*autism*)

(“*vocal frequency*”)AND(*autism*)

(“*alexithymia*”AND(*autism*)

(“*empathy*”)AND(*autism*)

(“*animacy perception*”)AND(*autism*)

(“*theory of mind*”)AND(*autism*)

(“*false-belief*”)AND(*autism*)

(“*joint attention*”)AND(*autism*)

(“*response to name*”)AND(*autism*)

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