A In practice measurements of total generapic values V are not feasible. Using the genetic model fluor relates phinotypic observations to genotypic values and entitoumental effect, we get for animal i, observation j of a certain phenotypic trait can Y= U+E be moduled of Yij = Vi + eij ; Using the decomposition of vi = a+BVi + Di + Ii + Cij = u + ui + di + ji +eij to For sakiching best animals as powerts only breeding values are relevant, because BV quantify the value of single alleles that are possed from parents to offendo. = D yi = u + Ui + eij where et = di + i; ter