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# HVBase

*0.1.0a*

**BGI-Internet**

2016 07 07



<b>1</b>		<b>3</b>
<b>2</b>		<b>5</b>
2.1	.....	5
2.2	.....	5
<b>3</b>		<b>7</b>
<b>4</b>	<b>FAQ</b>	<b>9</b>
4.1	.....	9
<b>5</b>		<b>15</b>



Contents:



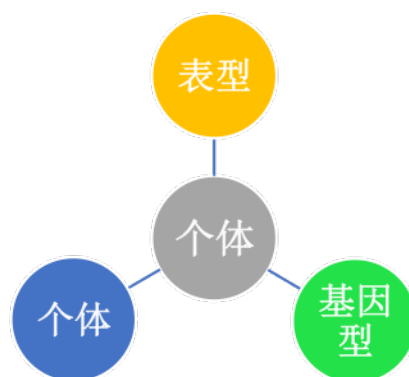
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- HVBaseHuman Variation Base
  - HVBase
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  - HVBase37195229,704,725,820





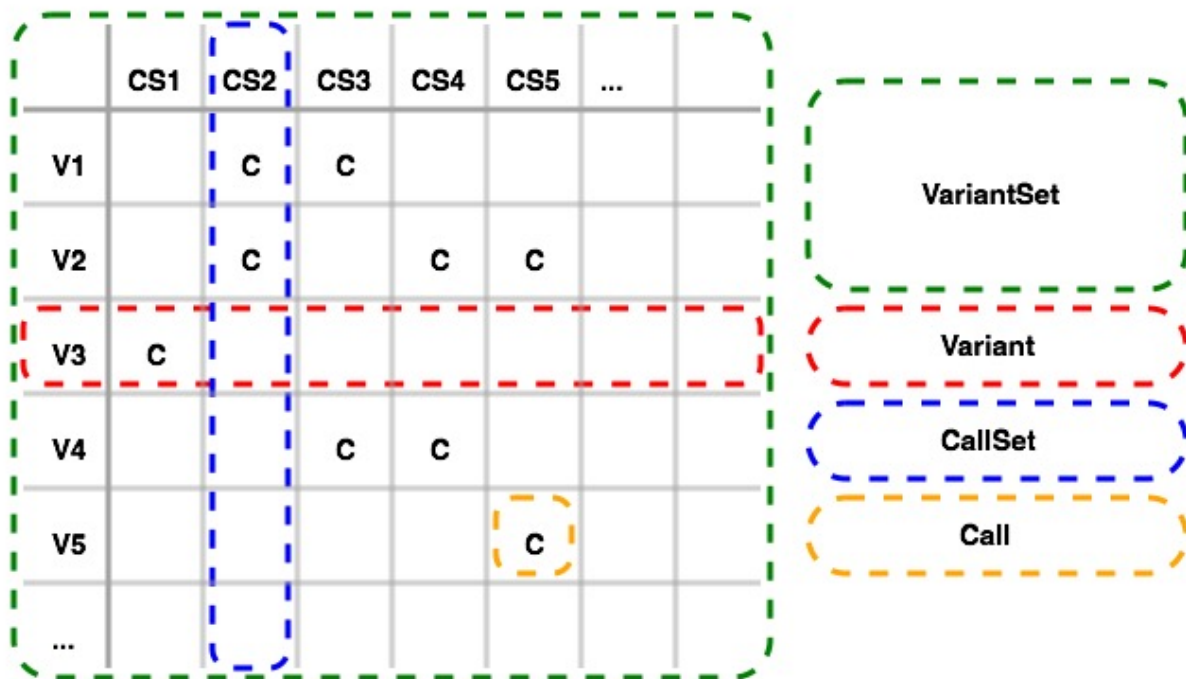
## 2.1

HVBase



## 2.2

- 
- 
- Call
  - Call
- CallSet
  - CallSet
- Variant
  - VariantCall
- VariantSet
  - VariantSetVariant
- $S1 - relation \rightarrow S2$ 
  - relation



1. \_GRANDPA\_OF\_
2. \_GRANDMA\_OF\_
3. \_FATHER\_OF\_
4. \_MOTHER\_OF\_
5. \_UNCLE\_OF\_
6. \_AUNT\_OF\_
7. \_BROTHER\_OF\_
8. \_SISTER\_OF\_

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## 4.1

Code	Full Name	Super Code	Full Name
AAS	Armenian in Asia	WAS	West Asian
ABA	Asian in Bangladeshi	SAS	South Asian
ABI	Aleut in Bering Island	AMR	Ad Mixed American
ABK	Abkhazia	WAS	West Asian
ACA	Adygei in caucasus	WAS	West Asian
ACB	Africa Caribbeans in Barbados	AFR	African
ACB	African Caribbeans in Barbados	AFR	African
AEU	American in Europe	EUR	European
AEU	American in Europe	EUR	European
AGA	All great apes		
AIN	Asian in India	AMR	Ad Mixed American
ALE	Altaian in Europe	EUR	European
ANI	Asian in North Indian	AMR	Ad Mixed American
AOC	Australia in Oceania	OCE	Oceania
AOC	Australian in Oceania	OCE	Oceania
ASI	Asian	ASI	Asian
ASW	Americans of Africa Ancestry in SW USA	AFR	African
ASW	Americans of Africa Ancestry in SW USA	AFR	African
ASW	Americans of African Ancestry in SW USA	AFR	African
ASW	Americans of African Ancestry in SW USA	AFR	African
AWA	Atayal in Taiwan	EAS	East Asian
BAR	Bedouin in Arab	WAS	west Asian
BEB	Bengali from Bangladesh	SAS	South Asian
BEU	Basque in Europe	EUR	European
BFR	Basque in French	EUR	European
BIT	Bergamo in Italy	EUR	European
BKE	Bantu in Kenya	AFR	African
BNE	Bantu NE	SAS	South Asian
BPN	Bougainville in Papua New Guinea	OCE	Oceania
BRI	British	EUR	European
BSA	Bantu in South Africa	SAS	South Asian
BSA	Brahui in South Asia	SAS	South Asian
BSA	Burmese in South Asia	SAS	South Asian

Table 4.1 –

Code	Full Name	Super Code	Full Name
BSH	Bantu SE Herero	SAS	South Asian
BSO	Bantu SW Ovambo	SAS	South Asian
BSS	Bantu SE S.Sotho	SAS	South Asian
BST	Bantu SE Tswana	SAS	South Asian
BSZ	Bantu SE Zulu	SAS	South Asian
BUE	Bulgarian in Europe	EUR	European
BUR	Burusho		
BWA	Balochi in west Asia	WAS	west Asian
CAM	Cambodian	SAS	South Asian
CAM	cambodian	SAS	South Asian
CAM	cambodian	SAS	South Asian
CAU	Caucasian with Jewish Maternal Grand Father	WAS	west Asian
CCO	Colombian in Colombia	AMR	Ad Mixed American
CDA	Caucasian in Danmark	EUR	European
CDX	Chinese Dai in Xishuangbanna, China	EAS	East Asian
CDX	Chinese Dai in Xishuangbanna, China	EAS	East Asian
CEN	Caucasian in England	EUR	European
CEU	Czechoslovakian in Europe	EUR	European
CEU	Utah Residents (CEPH) with Northern and Western Ancestry	EUR	European
CEU	Utah Residents (CEPH) with Northern and Western Ancestry	EUR	European
CEU	Utah Residents (CEPH) with Northern and Western Ancestry	EUR	European
CHA	Chinese in Asian	EAS	East Asian
CAR	Caribbean	AMR	Ad Mixed American
CHB	Han Chinese in Beijing, China	EAS	East Asian
CHB	Han Chinese in Beijing, China	EAS	East Asian
CHS	Southern Han Chinese	EAS	East Asian
CHS	Southern Han Chinese	EAS	East Asian
CLM	Colombians from Medellin, Colombia	AMR	Ad Mixed American
CRU	Chechen in Russia	EUR	European
CUK	Caucasian in UK	EUR	European
CUR	Chukchi in Europe	EUR	European
CWA	Caucasian in West Asian	WAS	west Asian
CWA	Caucasian in West Asian	WAS	west Asian
CWA	Caucasian in West Asian	WAS	west Asian
CWA	Caucasian in West Asian	WAS	west Asian
CWA	Caucasian in West Asian	WAS	west Asian
CWA	Caucasian in West Asian	WAS	west Asian
DAN	Danish	EUR	European
DCH	Daur in China	EAS	East Asian
DEN	Denisova		
DIS	Druze in Israel	WAS	west Asian
DIS	Druze in Israel	WAS	west Asian
DMA	Dusun in Malaysia	SAS	South Asian
DSS	Dinka in South Sudan	AFR	African
EAM	Even in America	AMR	Ad Mixed American
ECH	Eskimo Chaplino		
EEU	Estonian in Europe	EUR	European
EEU	Estonian in Europe	EUR	European
ENG	English	EUR	European

Table 4.1 –

Code	Full Name	Super Code	Full Name
ESE	Eskimo in Europe	EUR	European
ESI	Eskimo in Sireniki	EUR	European
ESN	Esan in Nigeria	AFR	African
EUR	European	EUR	European
FFR	French in France	EUR	European
FIN	Finnish in Finland	EUR	European
FIN	Finnish in Finland	EUR	European
GBR	British in England and Scotland	EUR	European
GBR	British in England and Scotland	EUR	European
GCA	Georgian in Caucasus	WAS	west Asian
GEU	Greek in Europe	EUR	European
GIH	Gujarati Indian from Houston, Texas	SAS	South Asian
GWD	Gambian in Western Divisions in the Gambia	AFR	African
HAM	Hawaiian in American	AMR	Ad Mixed American
HCH	Han Chinese, China	EAS	East Asian
HCH	Han Chinese, China	EAS	East Asian
HCH	Han Chinese, China	EAS	East Asian
HCH	Han Chinese, China	EAS	East Asian
HUM	Hungarian	EUR	European
HWA	Hazara in west Asia	WAS	west Asian
IBS	Iberian Population in Spain	EUR	European
IEU	Icelander in Europe	EUR	European
IMA	Itel'man in Asia	NAS	north Asian
IRA	Iranian	WAS	west Asian
ITU	Indian Telugu from the UK	SAS	South Asian
JIR	Jew in Iraqi	WAS	west Asian
JJO	Jordanian in Jordan	WAS	west Asian
JPT	Japanese in Tokyo, Japan	EAS	East Asian
JPT	Japanese in Tokyo, Japan	EAS	East Asian
JPT	Japanese in Tokyo, Japan	EAS	East Asian
JYE	Jew in Yemenite	SAS	South Asian
KAF	Khoisan in Africa	AFR	African
KAS	Kusunda in Asia	SAS	South Asian
KBR	Karitiana in Brazil	AMR	Ad Mixed American
KHV	Kinh in Ho Chi Minh City, Vietnam	EAS	East Asian
KOR	Korean	EAS	East Asian
KPA	Kalash in Pakistan	WAS	west Asian
LAC	Lezgin in South Caucasus	WAS	west Asian
LAF	Luo in Africa	AFR	African
LCH	Lahu in China	EAS	East Asian
LPH	Igorot in Philippines	SAS	South Asian
LWK	Luhya in Webuye, Kenya	AFR	African
LWK	Luhya in Webuye, Kenya	AFR	African
LWK	Luhya in Webuye, Kenya	AFR	African
MAF	Maasai Africa	AFR	African
MAM	Mayan in America	AMR	Ad Mixed American
MAM	Mayan in America	AMR	Ad Mixed American
MCH	Miao in China	EAS	East Asian
MCH	Miao in China	EAS	East Asian

Table 4.1 –

Code	Full Name	Super Code	Full Name
MEX	Mexican American from Los Angeles, CA	AMR	Ad Mixed American
MIA	Mixed African	AFR	African
CAR	Caribbean	AMR	Ad Mixed American
WHI	White	AMR	Ad Mixed American
MIN	Madiga in Indian	SAS	South Asian
MJO	Mozabite in Jordan	WAS	west Asian
MKA	Mandenka in Africa	AFR	African
MKK	Maasai in Kinyawa, Kenya	AFR	African
MKK	Maasai in Kinyawa, Kenya	AFR	African
MKR	Mansi in KondaRiver,Russia	EUR	European
MME	Mixtec in Mexico	AMR	Ad Mixed American
MME	Mixtec in Mexico	AMR	Ad Mixed American
MMO	Mongola in Mongolia	EAS	East Asian
MNZ	Maori in New Zealand	OCE	Oceania
MOC	Melanesian in Oceania	OCE	Oceania
MOC	Melanesian in Oceania	OCE	Oceania
MPY	Mbuti Pygmy in Africa	AFR	African
MSA	Makrani in South Asia	SAS	South Asian
MSL	Mende in Sierra Leone	AFR	African
MSR	Mansi in SosvaRiver,Russia	EUR	European
MXL	Mexican Ancestry from Los Angeles USA	AMR	Ad Mixed American
MXL	Mexican Ancestry from Los Angeles USA	AMR	Ad Mixed American
NCH	Naxi in China	EAS	East Asian
NGE	Neanderthal in Germany	EUR	European
NIT	North Italian	EUR	European
NMO	NAN Melanesian in Oceania	OCE	Oceania
NOE	Norwegian in Europe	EUR	European
OCH	Oroqen in China	EAS	East Asian
OEN	Orcadian in England	EUR	European
PAM	Pima in America	AMR	Ad Mixed American
PBA	Pygmy Biaka in Africa	AFR	African
PBA	Pygmy Biaka in Africa	AFR	African
PEL	Peruvians from Lima, Peru	AMR	Ad Mixed American
PEU	Polish in Europe	EUR	European
PIN	Pathan in Indian	SAS	South Asian
PJL	Punjabi from Lahore, Pakistan	SAS	South Asian
PMA	Pygmy Mbuti in Africa	AFR	African
PMA	Pygmy Mbuti in Africa	AFR	African
POC	Papuan in Oceania	OCE	Oceania
PUR	Puerto Ricans from Puerto Rico	AMR	Ad Mixed American
PWA	Palestinian in Arab States	WAS	west Asian
QSA	Quechua in South America	AMR	Ad Mixed American
RRU	Russian in Russia	EUR	European
SAH	Saharawi in Africa	AFR	African
SAN	San in Africa	AFR	African
SCH	She in China	EAS	East Asian
SEU	Saami in Europe	EUR	European
SIP	Sardinian in Italian Peninsula	EUR	European
SOA	Somali in Africa	AFR	African



Table 4.1 –

Code	Full Name	Super Code	Full Name
SSA	Sindhi in South Asia	SAS	South Asian
STU	Sri Lankan Tamil from the UK	SAS	South Asian
TCH	Tu in China	EAS	East Asian
TJC	Tujia in China	EAS	East Asian
TEU	Tuscan in Italy	EUR	European
TEU	Tuscan in Italy	EUR	European
TLN	Tlingit in Nikolskoye	AMR	Ad Mixed American
TPR	Tlingit in Preobrazhenskoye	AMR	Ad Mixed American
TRU	Tubalar in Russia	EUR	European
TSA	Thai in South Asia	SAS	South Asian
TSI	Toscani in Italia	EUR	European
UCH	Uygur in China	EAS	East Asian
URU	Ulchi in Russia	EUR	European
VEN	Venezuelan	AMR	Ad Mixed American
XCH	Xibo in China	EAS	East Asian
YAF	Yoruba in Africa	AFR	African
YCH	Yi in China	EAS	East Asian
YCH	Yi in China	EAS	East Asian
YEU	Yakut in Europe	EUR	European
YRI	Yoruba in Ibadan, Nigeria	AFR	African
YRI	Yoruba in Ibadan, Nigeria	AFR	African
YRI	Yoruba in Ibadan, Nigeria	AFR	African
ZCH	Hezhen in China	EAS	East Asian
ZME	Zapotec in Mexico	AMR	Ad Mixed American



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- `genindex`
  - `modindex`
  - `search`