

f	p	h	wh
p	t	k	k qu
b	d	g	g b

Germanic Reflexes of P-I-E

p	t	c[k]	qu[k <sup>w</sup> ]
b	d	g	v[w] gu
f p	f	h	f

Latin Reflexes of P-I-E

Aspirated Stops  
Voiced Stops  
Voiceless Stops

Π	Τ	Κ	Π Τ Κ
Β	Δ	Τ	Β Δ Τ
Φ	Θ	Χ	Φ Θ Χ

Greek Reflexes of P-I-E

Labial      Dental      Velar      LabioVelar

*p	*t	*k	*k <sup>w</sup>
*b	*d	*g	*g <sup>w</sup>
*bh	*dh	*gh	*g <sup>w</sup> h

Proto-Indo-European

Labial      Dental      Velar      LabioVelar

Aspirated Stops  
Voiced Stops  
Voiceless Stops

# Latin Reflexes of Proto-Indo-European Stops with examples in Latin and English borrowings

PIE stop	Latin reflex	PIE root	Latin cognate	English borrowing
<b>*bh</b>	→ f	*bher- 'carry'	fero 'carry'	<i>transfer</i>
<b>*bh</b>	→ b	*bhardha- 'beard'	barba 'beard'	<i>barber</i>
<b>*dh</b>	→ f	*dhe- 'do, make'	facere 'make, do'	<i>factory</i>
<b>*gh</b>	→ h	*ghabh- 'give, receive'	habere 'have'	<i>inhabit</i>
<b>*g<sup>w</sup>h</b>	→ f	*g <sup>w</sup> her- 'heat, warm'	fornax 'furnace'	<i>furnace</i>
<b>*b</b>	→ b	*leb- 'lip'	labium 'lip'	<i>labial</i>
<b>*d</b>	→ d	*deru- 'firm, solid'	durus 'hard'	<i>durable</i>
<b>*g</b>	→ g	*grano- 'grain'	granum 'grain'	<i>grain</i>
<b>*g<sup>w</sup></b>	→ v [w]	*g <sup>w</sup> era- 'swallow'	vorare 'devour'	<i>devour</i>
<b>*g<sup>w</sup></b>	→ gu	*g <sup>w</sup> era- 'swallow'	gurges 'whirlpool'	<i>gorge</i>
<b>*p</b>	→ p	*peto- 'rush, fly'	pinna 'feather'	<i>pen</i>
<b>*t</b>	→ t	*tera- 'cross over'	trans 'across'	<i>transfer</i>
<b>*k</b>	→ c [k]	*kap- 'grasp'	capere 'seize'	<i>capture</i>
<b>*k<sup>w</sup></b>	→ qu [k <sup>w</sup> ]	*k <sup>w</sup> eia- 'rest, be quiet'	quietus 'resting'	<i>quiet</i>

A Graphical Parsing  
of the first sentence  
of Caesar's  
*Bellō Gallicō*

