

THE NFL COMBINE: CAN WE LEARN ANYTHING? by Tony Villiotti

With the Super Bowl in the rearview mirror, the draft will soon share center stage with free agency in offseason NFL activity. The NFL Combine (the Combine), beginning on February 22 in Indianapolis, moves draft conjecture into high gear. In addition to the physical tests that are televised, the Combine will include medical examinations, drug testing, psychological tests and personal interviews. There is a general consensus that the off-field happenings are the most important element of the Combine. Despite that, there is a great deal of interest in the physical tests. In this article **DRAFTMETRICS** will focus on six of those drills (which will be called the Combine Drills in the rest of this article) that produce “measurables”. (The 60 yard shuttle also produces measurables but was excluded because so few players participate in that event.)

NFL.com describes each of the six drills and what each is intended to measure. The following table is derived from information on that website:

Drill	What the Drill Measures
40 Yard Dash	Speed
Bench Press	Strength and conditioning
Vertical Jump	Vertical leg explosion
Broad Jump	Leg explosion, quickness and lateral burst
20 Yard Shuttle	Lateral quickness, coordination and change of direction
3 Cone Drill	Speed, quickness, flexibility, change of direction, body control

Data used in this analysis comes from the 1997 and 1999 through 2011 Combines. **DRAFTMETRICS** has gathered this information from a variety of internet and other sources. (One useful source that was discovered too late to help much was www.nflcombineresults.com. **DRAFTMETRICS** highly recommends that website to those seeking more information on the Combine.) This information does not always include all events (e.g., some years only 40 times were available). If any reader can point us to additional combine information we would be most appreciative. Just send an email to draftmetrics@gmail.com if you have any suggestions.

This analysis is hampered by two things. First, as mentioned above, **DRAFTMETRICS** does not have Combine information for all the years in its data base. Second, not everyone invited to the combine participates in any or all of the physical tests. Even with these disadvantages, though, there is still sufficient data to analyze the Combine. As time moves on and **DRAFTMETRICS** repeats this analysis, more data points will be available as years for which **DRAFTMETRICS** has no data (i.e., 1992-1996) will be replaced by years with complete data.

For the purposes of this article **DRAFTMETRICS** has reviewed and analyzed Combine data from three perspectives:

- What has been the historical performance of players at Combine by playing position and by round selected in the draft?
- Is there significant correlation between Combine performance and the round in which a player is selected?
- Is there significant correlation between Combine performance and a player’s ultimate success in the NFL?

Please note that neither fullbacks nor special team players have been included in this analysis. There are too few fullbacks drafted to be analyzed. Also, for purpose of analysis by playing position, players are grouped with the position for which they are drafted, which is not necessarily the same as the position they ultimately played in the NFL.

Historical Performance

This is the easy part. The purpose of this part of the analysis is to provide a frame of reference to the reader who is watching or reading about the event. That is, if a wide receiver runs a 4.50 40 how does he stack up against other wide receivers who ran the 40 in past years? The following tables show average results for each Combine Drill by playing position for the first round and all rounds, respectively. Information for each individual round is show in the “Playing Position Data Sheets” which are included at the conclusion of this article.

Average Results for First Round Draft Choices

Playing Position	40 Speed (seconds)	Vertical Jump (inches)	Broad Jump (inches)	20 Yard Shuttle (seconds)	3 Cone Drill (seconds)	Bench Press (reps)
Quarterback	4.75	33.8	115.0	4.21	7.03	NA
Running Back	4.46	36.4	123.0	4.27	6.98	20.3
Wide Receiver	4.44	37.1	122.8	4.17	6.94	NA
Tight End	4.67	35.9	120.9	4.32	7.08	25.4
Center	5.18	28.7	100.0	4.68	7.79	26.5
Guard	5.24	29.0	100.3	4.79	7.82	26.7
Offensive Tackle	5.20	29.8	104.5	4.64	7.77	27.2
Defensive Tackle	5.03	30.7	108.7	4.60	7.61	28.7
Defensive End	4.76	34.2	117.6	4.32	7.19	25.4
Linebackers	4.64	35.6	119.2	4.23	7.08	24.5
Corner Backs	4.42	37.5	125.4	4.03	6.85	16.9
Safeties	4.46	37.2	122.4	4.12	6.79	18.3

Average Results for All Draft Choices

Playing Position	40 Speed (seconds)	Vertical Jump (inches)	Broad Jump (inches)	20 Yard Shuttle (seconds)	3 Cone Drill (seconds)	Bench Press (reps)
Quarterback	4.81	32.2	110.7	4.27	7.14	NA
Running Back	4.54	35.1	118.9	4.21	7.03	20.3
Wide Receiver	4.49	36.2	121.0	4.16	6.96	NA
Tight End	4.77	33.8	114.6	4.30	7.16	21.6
Center	5.24	29.3	102.3	4.60	7.68	26.5
Guard	5.26	28.5	100.8	4.68	7.81	26.9
Offensive Tackle	5.26	29.1	102.4	4.71	7.85	25.0
Defensive Tackle	5.09	29.8	105.4	4.57	7.70	27.9
Defensive End	4.83	33.8	114.7	4.37	7.33	23.3
Linebackers	4.70	34.8	116.3	4.26	7.16	23.1
Corner Backs	4.48	36.8	122.4	4.10	6.93	14.8
Safeties	4.56	36.6	120.9	4.14	6.99	17.8

Combine Performance and Draft Position

DRAFTMETRICS also analyzed Combine data to see if there was correlation between Combine performance and draft position. There are differing opinions on the importance of the physical tests at the Combine. Last year Gil Brandt published an excellent article on the various tests at the combine and how they are used. (That article is available at <http://www.nfl.com/combine/story/09000d5d80ecd9a3/article/what-does-the-combine-data-mean-depends-on-your-position>). Mr. Brandt, who spent many years as the Dallas Cowboys draft guru, essentially said that the information from the physical drills was used mainly as a tie-breaker between evenly weighted prospects.

Jack Butler, just elected to the Pro Football Hall of Fame, was the head of the scouting organization BLESTO for a number of years. His take was “You’d better evaluate a kid on how well he plays the game of football rather than how well he hops, skips and jumps in his underwear.”

Jaguars General Manager Gene Smith had this to say: “I think you have to be careful not to put too much into a shorts workout.”

Regardless of these less than enthusiastic reviews of their importance, most Combine participants train hard for these events and the physical tests will be closely watched by NFL teams. Did Chris Johnson’s 4.24 40 move him up in the 2008 NFL draft? Only the Titans know for sure, but it certainly didn’t hurt him. The more information the better seems to be the motto when it comes to the NFL draft.

It is no surprise that faster, stronger and more athletic players tend to get drafted earlier than slower, weaker and less athletic players. It is also obvious, though, that NFL teams do not stick religiously to the numbers. Here are **DRAFTMETRICS'** observations on this subject:

- The Combine Drills have very little relevance with it comes to the quarterback position
 - Case in point is Chris Redman who is undoubtedly the worst ever QB performer in the Combine Drills (worst ever QB scores in the 40 yard dash, broad jump, 20-yard shuttle and the 3-Cone drill) and was still a 3rd round draft choice
- The strongest correlation between Combine results and draft position is with the 40 yard dash
 - This is true for every playing position
 - The following table demonstrates this correlation for selected positions

Position	Cut-Off	Rounds 1 & 2	Rounds 3-7
Running Back	4.59 or less	88%	60%
Wide Receivers	4.49 or less	77%	45%
Defensive Ends	4.89 or less	88%	58%
Safeties	4.59 or less	83%	61%

- For running backs, half the Combine participants who posted 40 times below 4.40 were drafted in the first round
- For corner backs, none of the Combine participants drafted in the first two round ran the 40 in 4.60 or higher and all four participants who ran the 40 in less than 4.30 were drafted in the first three rounds
- For safeties, all of the first round selections ran the 40 in 4.59 or less
- There was moderate correlation between the vertical jump and draft position
 - The following table demonstrates this correlation for selected positions

Position	Cut-Off	Rounds 1 & 2	Rounds 3-7
Running Back	35 inches or more	77%	45%
Wide Receivers	37 inches or more	60%	38%
Tight Ends	34 inches or more	64%	45%

- There was moderate correlation between the broad jumps and draft position
 - The following table demonstrates this correlation for selected positions

Position	Cut-Off	Rounds 1 & 2	Rounds 3-7
Running Back	120 inches or more	68%	42%
Tight Ends	115 inches or more	68%	45%
Off Tackles	105 inches or more	51%	33%
Linebackers	115 inches or more	77%	55%

- There was modest correlation between the 3-Cone drill and draft position
 - Eight of the playing positions had slightly positive correlation
 - There was no positive or negative correlation with RB, WR, C and G
- There was generally a positive correlation with the bench press
 - The following table demonstrates this correlation for selected positions

Position	Cut-Off	Rounds 1 & 2	Rounds 3-7
Tight Ends	23 reps or more	60%	36%
Offensive Tackles	26 reps or more	55%	36%
Defensive Tackles	27 reps or more	65%	49%
Corner Backs	17 reps or more	47%	29%

- The poorest correlation was between the 20 yard shuttle and draft position
 - Only three of the 25 corner backs with a score below 4.1 seconds were drafted in the first two rounds
 - The average score for first round running backs is the lowest of any of the seven rounds
 - None of the 34 guards with scores below 4.6 seconds were drafted in the first round
 - In general, there was a slightly more positive correlation for defensive players than for offensive players

Combine Performance and Ultimate Success

The short answer here is that good performance in the Combine Drills is no guarantee of success and poor Combine performance does not doom a player. There are plenty of examples both ways.

Remember the TV show Numb3rs? The premise of the show was that mathematics could be used to help solve crimes. There is kind of a similar premise here. There is no magic formula to apply that spits out the right answer in terms of how successful a player will be, but the use of these numbers can be a part of the overall equation.

The poster child for players who didn't do well in the Combine Drills but went on to be successful is Tom Brady. At the 2000 Combine Brady ran a 5.28 40, second slowest, among all quarterbacks at the Combine and had the worst vertical jump for that year at 24 ½ inches. He somehow managed to overcome that and eke out a pretty fair pro career.

In the Playing Position Data Sheets that follow there is a short list of players at each playing position that performed great in the Combine Drills but didn't have much of a professional career.

Rather than list a bunch of anecdotal examples, **DRAFTMETRICS** pondered how best to come up with a somewhat objective method of addressing this issue. What seems to be the best option was to do something based on the five-year starters that participated in one or more of the Combine Drills. (In **DRAFTMETRICS** parlance, a five-year starter is a player who starts at least eight games in a season for five seasons or more.) The table below shows, for each playing position and for each Combine Drill, the percentage of five-year starters who did better than the average drafted Combine participant. For example, if the average drafted running back ran a 4.54 40 and five of the ten five-year starters ran faster than the average, the table would show that 50% of five-year starters had results better than the average.

One downside to this approach is that given the fact that **DRAFTMETRICS** doesn't have any Combine results prior to 1997 and all Combine participants don't partake of all Combine Drills there are a limited number of data points. Still, this is the best measurement tool that **DRAFTMETRICS** can think of at the moment and here is the table.

Position	40 yard Dash	Vertical Jump	Broad Jump	20 Yd Shuttle	3 Cone Drill	Bench Press
Quarterback	31%	50%	45%	31%	38%	NA
Running Back	64%	83%	60%	60%	40%	50%
Wide Receiver	55%	59%	38%	59%	40%	NA
Tight End	32%	50%	52%	72%	47%	63%
Center	64%	69%	75%	67%	36%	42%
Guard	62%	68%	60%	42%	48%	57%
Offensive Tackle	67%	59%	52%	59%	52%	44%
Defensive Tackle	68%	54%	63%	57%	40%	32%
Defensive End	61%	61%	69%	63%	67%	41%
Linebacker	74%	47%	48%	63%	50%	45%
Corner Back	66%	62%	50%	63%	50%	80%
Safety	53%	42%	46%	47%	47%	39%

This leads to yet another table summarized the positive, neutral and negative correlations

Position	Positive (56%+)	Neutral (46-55%)	Negative (45% and lower)
Quarterback		VJ,	40, BJ, 20, 3C
Running Back	40, VJ, BJ, 20	BP	3C
Wide Receiver	VJ, 20	40	BJ, 3C
Tight End	20, BP	VJ, BJ, 3C	40,
Center	40, VJ, BJ, 20		3C, BP
Guard	40, VJ, BJ, BP		20, 3C
Offensive Tackle	40, VJ, 20	BJ, 3C	BP
Defensive Tackle	40, BJ, 20	VJ	3C, BP
Defensive End	40, VJ, BJ, 20, 3C		BP
Linebacker	40, 20	VJ, BJ, 3C	BP
Corner Back	40, VJ, 20, BP	BJ, 3C	
Safety		40, BJ, 20, 3C	VJ, BP

This shows a few interesting things:

- The 20 yard shuttle was a poor indicator of draft position but a strong indicator of ultimate success
- Ignoring quarterback, physical skills seems to matter the least at the safety position
- The only defensive position where the bench press was important was at corner back, the position where one would think it would be the least important

Playing Position Data Sheets

The remainder of this document consists of “Playing Position Data Sheets” for each of the 12 playing positions. Each sheet consists of four sections:

- A table that shows the average Combine performance for each drill at that position for each round and overall. The table also shows the average performance for players who went on to become 5-Year and 3-Year starters.
- A table that shows the best and the worst performance for each Combine Drill
- A table that shows the 2011 Pro Bowl selections (originally named players only, not injury and other replacements) and their Combine performance
- A table that shows players who had good, if not exceptional, Combine performances but not so good professional careers.

QUARTERBACKS

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	seconds	4.75	4.75	4.86	4.74	4.83	4.90	4.87	4.81	4.86	4.84
Vertical Jump	Inches	33.8	32.3	31.3	32.8	31.7	30.8	31.5	32.2	32.8	32.4
Broad Jump	Inches	115.0	111.4	109.4	114.0	110.2	107.1	108.4	110.7	110.5	110.9
20 Yard Shuttle	seconds	4.21	4.30	4.30	4.27	4.22	4.34	4.31	4.27	4.32	4.29
3 Cone Drill	seconds	7.03	7.05	7.22	7.14	7.09	7.25	7.26	7.14	7.27	7.22
Bench Press	Reps	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Pat White	2	2009	4.49	Chris Redman	3	2000	5.37
Vertical Jump	Daunte Culpepper	1	1999	39.0	Ryan Mallett	3	2011	24.0
Broad Jump	Adrian McPherson	5	2005	128	Chris Redman	3	2000	98
20 Yd Shuttle	Josh McCown	3	2002	3.90	Chris Redman	3	2000	4.78
3 Cone Drill	Tim Tebow	1	2011	6.66	Chris Redman	3	2000	7.80

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Tom Brady	6	5.28	24.5	99	4.38	7.20	DNP
Drew Brees	2	4.83	32.0	105	4.21	7.09	DNP
Eli Manning	1	DNP	DNP	DNP	DNP	DNP	DNP
Philip Rivers	1	DNP	DNP	DNP	DNP	DNP	DNP
Aaron Rodgers	1	4.71	34.5	110	DNP	7.39	DNP
Ben Roethlisberger	1	DNP	DNP	DNP	DNP	DNP	DNP

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Kyle Boller	1	4.59	35.5	117	3.99	7.19	DNP
Pat White	2	4.49	35.0	117	4.42	7.06	DNP
Stefan Lefors	4	4.56	31.0	111	4.13	7.04	DNP
Mike McMahon	5	4.57	37.5	124	4.12	7.12	DNP
DJ Shockley	7	4.56	37.5	121	4.18	7.08	DNP

RUNNING BACK

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.46	4.50	4.54	4.57	4.61	4.54	4.61	4.54	4.49	4.48
Vertical Jump	Inches	36.4	36.5	34.6	35.8	35.3	34.2	32.9	35.1	37.4	35.4
Broad Jump	Inches	123.0	120.7	120.3	118.1	118.6	118.4	114.6	118.9	121.4	120.1
20 Yard Shuttle	seconds	4.27	4.22	4.21	4.20	4.13	4.21	4.24	4.21	4.16	4.28
3 Cone Drill	seconds	6.98	7.06	6.99	7.05	7.08	6.89	7.08	7.03	7.18	7.24
Bench Press	reps	20.3	21.8	19.7	19.5	19.2	19.6	22.3	20.3	21.3	20.9

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Chris Johnson	1	2008	4.24	Jason Snelling	7	2007	4.79
Vertical Jump	William Green	1	2002	42.0	Justin Forsett	7	2008	26.5
Broad Jump	Justin Fargas	3	2003	137	Nate Ilaoa	7	2007	103
20 Yd Shuttle	Edgerrin James	1	1999	3.88	Mark Ingram	1	2011	4.62
3 Cone Drill	Roy Helu	4	2011	6.67	Julius Jones	2	2004	7.96
Bench Press	Shane Vereen	2	2011	31	Felix Jones	1	2008	8

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Frank Gore	3	4.65	DNP	DNP	DNP	DNP	DNP
Maurice Jones-Drew	2	4.39	36.0	116	4.41	7.08	18
Matt Forte	2	4.46	33.0	DNP	4.23	DNP	23
Ray Rice	2	4.44	31.5	DNP	4.20	DNP	23
Arian Foster	FA	DNP	DNP	DNP	DNP	DNP	23
LeSean McCoy	2	DNP	DNP	DNP	DNP	DNP	DNP

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Chris Henry	2	4.40	36.0	127	4.16	6.96	26
Garrett Wolfe	3	4.42	35.5	116	4.08	6.69	DNP
Curtis Keaton	4	4.41	41.5	131	3.93	6.82	23
Quentin Griffith	4	4.47	38.0	123	4.02	DNP	21
Derrick Blaylock	5	4.36	35.5	DNP	4.09	7.05	18
Josh Scobey	6	4.42	40.5	124	3.93	6.96	21

WIDE RECEIVER

Drill	Unit of Measure	Average by Round								Starters	
		1st	2 nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.44	4.46	4.47	4.51	4.50	4.51	4.51	4.49	4.48	4.48
Vertical Jump	Inches	37.1	37.0	36.7	36.5	35.7	35.0	35.6	36.2	36.7	36.5
Broad Jump	Inches	122.8	122.5	121.2	120.8	120.2	120.8	119.5	121.0	119.8	121.3
20 Yard Shuttle	seconds	4.17	4.11	4.16	4.14	4.15	4.16	4.21	4.16	4.14	4.12
3 Cone Drill	seconds	6.94	6.92	6.91	6.93	6.97	6.93	6.93	6.96	7.06	7.00
Bench Press	reps	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Rondel Menendez	7	1999	4.24	Ernest Wilford	4	2004	4.79
Vertical Jump	Chris Chambers	4	2001	45.0	Marcus Smith	4	2008	26.5
Broad Jump	Jerome Simpson	2	2008	136	Troy Walters	5	2000	106
20 Yd Shuttle	Kevin Kasper	6	2001	3.73	Paul Williams	3	2007	4.45
3 Cone Drill	Cecil Shorts	4	2011	6.50	Talman Gardner	7	2003	7.53

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Larry Fitzgerald	1	DNP	DNP	DNP	DNP	DNP	DNP
AJ Green	1	4.48	34.5	126	4.21	6.91	18
Greg Jennings	2	4.42	37.5	118	4.16	6.89	DNP
Calvin Johnson	1	4.35	DNP	DNP	DNP	DNP	DNP
Brandon Marshall	4	4.52	37.0	120	DNP	DNP	DNP
Steve Smith	1	4.41	38.5	121	4.25	7.44	DNP
Mike Wallace	3	4.33	40.0	129	DNP	DNP	14
Wes Welker	FA	DNP	DNP	DNP	DNP	DNP	DNP

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
R Jay Soward	1	4.35	35.0	124	DNP	DNP	DNP
Bethel Johnson	2	4.37	38.5	127	DNP	DNP	DNP
Tyrone Calico	2	4.34	38.0	127	4.20	6.72	DNP
Chad Jackson	2	4.32	38.5	122	4.03	6.74	DNP
Karsten Bailey	3	4.33	40.0	121	3.99	6.99	DNP

TIGHT END

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.67	4.76	4.72	4.74	4.78	4.82	4.84	4.77	4.79	4.77
Vertical Jump	Inches	35.9	33.8	34.6	33.6	33.3	33.9	32.6	33.8	33.8	34.2
Broad Jump	Inches	120.9	115.3	117.3	113.2	113.3	114.5	112.6	114.6	116.2	116.5
20 Yard Shuttle	seconds	4.32	4.29	4.20	4.27	4.32	4.32	4.35	4.30	4.26	4.30
3 Cone Drill	seconds	7.08	7.06	7.10	7.06	7.19	7.25	7.27	7.16	7.18	7.17
Bench Press	reps	25.4	21.5	22.8	21.3	22.2	20.2	19.8	21.6	22.6	22.6

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Vernon Davis	1	2006	4.38	Dauntae Finger	7	2001	5.09
Vertical Jump	Virgil Green	7	2011	42.5	Craig Stevens	3	2008	27.0
Broad Jump	Dustin Keller	1	2008	131	Spencer Nead	7	2003	102
20 Yd Shuttle	Ben Hartsock	3	2004	4.03	Marcedes Lewis	1	2006	4.84
3 Cone Drill	Aaron Shea	4	2000	6.72	James Dearth	6	1997	8.30
Bench Press	Ben Watson	1	2004	1	Desmond Clark	6	1999	12

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Antonio Gates	FA	DNP	DNP	DNP	DNP	DNP	DNP
Tony Gonzalez	1	4.80	DNP	DNP	DNP	DNP	DNP
Jimmy Graham	3	4.56	38.5	120	DNP	6.90	20
Rob Gronkowski	2	DNP	DNP	DNP	DNP	DNP	23

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Brad Cottam	3	4.63	33.0	DNP	DNP	DNP	24
Austin Wheatley	5	4.66	32.5	121	4.18	6.97	DNP
Dan Curley	5	4.64	35.5	118	4.62	7.47	17
Jason Gavazda	6	4.62	32.5	113	4.30	7.15	22

CENTER

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4 th	5th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	5.18	5.18	5.29	5.26	5.28	5.19	5.30	5.24	5.20	5.19
Vertical Jump	Inches	28.7	28.8	30.8	30.0	29.9	28.2	28.0	29.3	31.3	30.7
Broad Jump	Inches	100.0	102.9	103.1	103.5	103.4	101.7	100.0	102.3	105.7	105.0
20 Yard Shuttle	seconds	4.68	4.55	4.63	4.62	4.60	4.52	4.64	4.60	4.54	4.53
3 Cone Drill	seconds	7.79	7.62	7.63	7.71	7.80	7.52	7.73	7.68	7.77	7.68
Bench Press	reps	26.5	27.4	25.0	26.8	27.3	27.0	25.2	26.5	26.4	27.3

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Chris Chester	2	2006	4.83	Rod Payne	3	1997	5.58
Vertical Jump	Casey Rabach	3	2001	34.5	Ted Larsen	6	2010	24.0
Broad Jump	Roberto Garza	4	2001	114	Zack Quaccia	7	2002	93
20 Yd Shuttle	Jason Kelce	6	2011	4.18	Erik Cook	7	2010	4.99
3 Cone Drill	Jason Kelce	6	2011	7.22	Dan Koppen	5	2003	8.24
Bench Press	Roberto Garza	4	2001	37	E J Whitley	7	2006	16

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Ryan Kalil	2	4.96	26.0	104	4.34	7.50	34
Nick Mangold	1	5.05	27.5	104	4.40	7.48	24
Maurkice Pouncey	1	5.23	DNP	95	4.92	7.74	DNP
Scott Wells	7	5.30	31.0	109	4.40	7.56	31

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Robert Hunt	5	4.96	34.5	108	4.50	7.54	31
Scott Peters	5	5.07	33.5	97	4.69	7.68	36
Josh Sewell	6	5.06	30.0	99	4.26	7.54	30

GUARD

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4 th	5th	6 th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	5.24	5.25	5.21	5.31	5.26	5.26	5.28	5.26	5.21	5.22
Vertical Jump	Inches	29.0	30.2	28.6	27.4	29.6	28.3	27.2	28.5	29.5	29.1
Broad Jump	Inches	100.3	103.4	102.5	97.9	102.9	99.5	98.7	100.8	101.7	101.5
20 Yard Shuttle	seconds	4.79	4.64	4.59	4.81	4.71	4.71	4.63	4.68	4.68	4.67
3 Cone Drill	seconds	7.82	7.78	7.77	7.97	7.79	7.79	7.80	7.81	7.77	7.80
Bench Press	reps	26.7	27.1	29.0	27.7	27.7	26.8	24.3	26.9	27.1	27.6

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Richie Incognito	3	2005	4.84	Yusuf Scott	6	1999	5.76
Vertical Jump	Eric Steinbach	2	2003	36.0	Wes Shivers	7	2000	22.5
Broad Jump	Eric Steinbach	2	2003	119	Yusuf Scott	6	1999	85
20 Yd Shuttle	Evan Mathis	3	2005	4.16	Montrae Holland	4	2003	5.12
3 Cone Drill	Ryan Diem	4	2001	7.00	Max Jean-Gillies	4	2006	8.56
Bench Press	Mitch Petrus	5	2010	45	Paul Fanaika	7	2009	15

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Jahri Evans	5	5.25	27.0	95	4.88	7.98	20
Davin Joseph	1	5.09	32.0	111	5.02	DNP	24
Logan Mankins	1	5.06	31.5	95	4.45	7.54	21
Carl Nicks	5	5.12	DNP	108	DNP	DNP	31
Brian Waters	FA	5.00	32.0	114	4.63	7.56	26
Marshall Yanda	5.17	DNP	DNP	DNP	DNP	DNP	DNP

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Andy Alleman	3	5.07	30.0	106	4.65	7.80	27
Makoa Freitas	6	5.07	24.5	95	4.86	8.22	36
Isaac Sowell	4	5.15	28.5	101	5.02	8.14	20
Todd Williams	7	5.07	32.5	108	4.54	8.06	27
Scott Young	5	5.08	35.0	115	4.40	7.48	43

OFFENSIVE TACKLE

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5th	6 th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	5.20	5.19	5.23	5.28	5.28	5.32	5.32	5.26	5.18	5.21
Vertical Jump	Inches	29.8	30.4	29.1	29.3	28.5	28.3	28.5	29.1	29.8	29.6
Broad Jump	Inches	104.5	104.2	103.1	102.0	101.7	100.7	100.3	102.4	103.2	103.0
20 Yard Shuttle	seconds	4.64	4.72	4.66	4.73	4.72	4.75	4.74	4.71	4.69	4.70
3 Cone Drill	seconds	7.77	7.78	7.85	7.90	7.80	7.95	7.89	7.85	7.88	7.88
Bench Press	reps	27.2	25.3	24.8	25.7	23.4	24.6	23.7	25.0	25.0	25.3

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Allen Barbre	4	2007	4.84	Char-ron Dorsey	7	2001	6.03
Vertical Jump	Alex Barron	1	2005	35.5	Zach Strief	7	2006	21.0
Broad Jump	Tony Ugoh	2	2007	117	Floyd Wedderburn	5	1999	86
20 Yd Shuttle	Mathias Nkwenti	4	2001	4.18	Floyd Wedderburn	5	1999	5.26
3 Cone Drill	Lydon Murtha	7	2009	7.06	Victor Rogers	7	2002	9.00
Bench Press	Russell Okung	1	2010	38	Daniel Loper	5	2005	14

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Jermon Bushrod	4	DNP	DNP	DNP	DNP	DNP	DNP
D'Brickashaw Ferguson	1	DNP	DNP	DNP	DNP	DNP	DNP
Jake Long	1	5.17	27.5	102	DNP	7.44	37
Jason Peters	FA	4.93	29.0	115	4.79	7.72	21
Joe Staley	1	DNP	DNP	DNP	DNP	DNP	27
Joe Thomas	1	4.92	33.0	110	4.88	7.95	28

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Joey Chustz	4	5.08	31.0	103	4.65	7.65	28
Brandon Frye	5	5.08	32.5	103	4.40	7.50	34
Xavier Fulton	5	5.04	31.0	111	4.56	7.35	27
James Martens	3	5.08	30.5	100	4.54	7.68	DNP

DEFENSIVE TACKLE

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	5.03	5.04	5.06	5.07	5.14	5.14	5.15	5.09	5.03	5.04
Vertical Jump	Inches	30.7	29.7	29.9	29.6	28.3	29.4	30.8	29.8	29.8	30.0
Broad Jump	Inches	108.7	105.2	106.6	104.2	103.4	103.7	105.6	105.4	103.0	104.1
20 Yard Shuttle	seconds	4.60	4.54	4.65	4.55	4.54	4.59	4.53	4.57	4.55	4.55
3 Cone Drill	seconds	7.61	7.66	7.79	7.68	7.56	7.77	7.69	7.70	7.74	7.73
Bench Press	reps	28.7	30.4	27.8	27.7	25.8	27.1	26.6	27.9	28.0	28.6

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Tank Johnson	2	2004	4.69	Terrance Cody	2	2010	5.64
Vertical Jump	Al Woods	4	2010	37.0	Terrance Cody	2	2010	20.5
Broad Jump	Anthony McFarland	1	1999	120	Terrance Cody	2	2010	90
20 Yd Shuttle	Craig Terrell	6	2004	4.10	Jerrell Powe	6	2011	5.06
3 Cone Drill	Chris Hovan	1	2000	6.85	Gabe Watson	4	2006	8.28
Bench Press	Stephen Paea	2	2011	49	Ryan Hale	7	1999	7

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Haloti Ngata	1	5.13	31.5	110	4.69	7.97	37
B J Raji	1	5.13	DNP	DNP	DNP	DNP	33
Jay Ratliff	7	DNP	DNP	DNP	DNP	DNP	DNP
Richard Seymour	1	DNP	DNP	DNP	DNP	DNP	DNP
Justin Smith	1	DNP	34.0	117	DNP	DNP	26
Vince Wilfork	1	DNP	DNP	DNP	DNP	DNP	36

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Eddie Freeman	2	4.91	34.5	111	4.81	7.85	32
Jarron Gilbert	3	4.87	35.5	119	DNP	DNP	DNP
Leif Larsen	6	5.08	30.0	110	4.37	7.46	45
Darrell Shropshire	7	4.87	34.0	116	4.34	7.55	25
Donnell Washington	3	5.00	31.0	109	4.88	7.80	34

DEFENSIVE END

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.76	4.80	4.81	4.86	4.85	4.91	4.88	4.83	4.79	4.80
Vertical Jump	Inches	34.2	33.4	35.2	33.5	33.6	33.7	33.3	33.8	34.8	34.5
Broad Jump	Inches	117.6	114.0	118.5	113.8	114.5	112.1	112.2	114.7	116.8	116.1
20 Yard Shuttle	seconds	4.32	4.32	4.38	4.41	4.35	4.40	4.44	4.37	4.33	4.32
3 Cone Drill	seconds	7.19	7.24	7.31	7.39	7.24	7.47	7.45	7.33	7.22	7.26
Bench Press	reps	25.4	24.9	25.0	23.8	23.4	23.1	23.3	24.2	23.9	24.0

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Marcus Howard	5	2008	4.40	Kroy Biermann	5	2008	5.28
Vertical Jump	Mark Anderson	5	2006	42.0	Muhammad Wilkerson	1	2011	26.0
Broad Jump	Andre Carter	1	2001	132	Quinton Reese	6	2000	101
20 Yd Shuttle	Aaron Schobel	2	2001	4.03	Robert Daniel	6	1999	4.86
3 Cone Drill	Sam Acho	4	2011	6.69	Chris White	7	1999	8.15
Bench Press	Ryan Denney	2	2002	36	Jared Allen	4	2004	13

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Jared Allen	4	4.72	33.0	120	4.34	7.11	13
Jason Babin	1	4.62	34.0	121	4.14	7.03	28
Andre Carter	1	DNP	38.5	132	4.24	DNP	DNP
Elvis Dumervil	4	4.75	DNP	DNP	DNP	DNP	30
Dwight Freeney	1	DNP	DNP	DNP	DNP	DNP	28
Jason Pierre-Paul	1	4.64	DNP	115	DNP	DNP	19

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Erasmus James	1	4.81	37.5	122	4.44	7.56	DNP
Dennis Johnson	3	4.82	35.5	119	4.36	7.21	17
Lawrence Sidbury	4	4.64	35.0	120	4.43	DNP	28
Jonathan Welsh	5	4.61	40.5	130	4.22	7.84	19
Andrew Williams	3	4.65	32.0	113	4.44	7.53	29

LINEBACKER

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.64	4.67	4.67	4.71	4.71	4.74	4.75	4.70	4.65	4.67
Vertical Jump	Inches	35.6	35.7	35.2	34.3	35.0	33.8	33.7	34.8	35.2	35.1
Broad Jump	Inches	119.2	118.1	117.5	116.1	116.7	113.8	112.5	116.3	117.0	116.9
20 Yard Shuttle	seconds	4.23	4.24	4.23	4.27	4.27	4.26	4.32	4.26	4.24	4.25
3 Cone Drill	seconds	7.08	7.14	7.15	7.14	7.20	7.18	7.23	7.16	7.16	7.17
Bench Press	reps	24.5	22.9	23.5	22.4	23.0	23.1	23.1	23.1	22.4	22.6

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Thomas Howard	2	2006	4.42	Rick Crowell	6	2001	5.03
Vertical Jump	Scott Fujita	5	2002	42.0	Tony Gilbert	6	2003	27.5
Broad Jump	Boss Bailey	2	2003	135	Phillip Dillard	4	2010	103
20 Yd Shuttle	Kevin Bentley	4	2002	3.83	Tim McGarigle	7	2006	4.73
3 Cone Drill	Ben Taylor	4	2002	6.56	Roderick Coleman	5	1999	8.00
Bench Press	Terna Nande	5	2006	41	Rian Wallace	5	2005	10

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Lance Briggs	3	4.78	33.0	113	DNP	DNP	25
Tamba Hali	1	4.78	DNP	DNP	DNP	DNP	DNP
Derrick Johnson	1	4.52	37.5	120	3.93	7.21	DNP
Ray Lewis	1	DNP	DNP	DNP	DNP	DNP	DNP
Clay Mathews	1	4.67	35.5	121	4.18	6.90	23
Von Miller	1	4.53	37.0	126	4.06	6.70	21
Terrell Suggs	1	DNP	DNP	DNP	DNP	DNP	DNP
Brian Urlacher	1	4.59	34.0	122	4.18	6.94	27
DeMarcus Ware	1	4.56	38.5	122	4.07	6.85	27
Patrick Willis	1	4.51	39.0	119	4.51	7.23	22

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Antwan Barnes	4	4.43	35.0	122	4.32	7.29	31
Jordan Beck	3	4.60	41.0	128	4.12	7.11	25
Wesley Mallard	6	4.49	41.0	122	4.07	6.81	22
Raonall Smith	2	4.53	42.0	125	4.11	7.10	26
Dontarrious Thomas	2	4.57	38.5	129	4.03	DNP	26
Terna Vande	5	4.51	39.0	124	4.12	7.01	41

CORNER BACK

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.42	4.45	4.48	4.49	4.49	4.54	4.50	4.48	4.45	4.45
Vertical Jump	Inches	37.5	36.8	37.7	36.7	35.5	35.9	36.0	36.8	37.3	37.1
Broad Jump	Inches	125.4	123.9	122.6	122.0	120.3	120.5	119.8	122.4	122.7	122.9
20 Yard Shuttle	seconds	4.03	4.09	4.08	4.28	4.15	4.09	4.21	4.10	4.06	4.06
3 Cone Drill	seconds	6.85	6.91	6.90	6.95	6.91	7.07	6.99	6.93	6.94	6.91
Bench Press	reps	16.9	15.4	14.1	14.9	14.0	13.4	14.5	14.8	15.6	15.8

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Stanford Routt	2	2005	4.27	Leonard Myers	6	2001	4.65
Vertical Jump	Donald Washington	4	2009	45.0	Alphonso Hodge	5	2005	24.0
Broad Jump	Scott Starks	3	2005	137	Davon House	4	2011	109
20 Yd Shuttle	Dunta Robinson	1	2004	3.75	Brandon McDonald	5	2007	4.76
3 Cone Drill	Darryl Skrine	5	2011	6.44	Anthony Parker	4	1999	7.56
Bench Press	Chris Houston	2	2007	27	Joshua Moore	5	2010	2

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Champ Bailey	1	4.28	37.0	121	3.79	DNP	DNP
Johnathan Joseph	1	4.31	37.0	123	4.27	6.94	15
Darrell Revis	1	4.38	DNP	DNP	DNP	DNP	16
Carlos Rogers	1	4.44	40.5	126	3.82	6.48	15
Charles Tillman	2	4.43	40.0	131	3.82	7.44	12
Charles Woodson	1	4.46	36.0	123	4.06	6.93	24

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Kevin Garrett	5	4.31	35.0	129	3.96	6.89	DNP
Karl Paymah	3	4.35	41.5	125	3.91	7.07	15
Scott Starks	3	4.37	43.0	137	3.90	6.99	13
Ted Vinson	2	4.39	36.0	121	4.17	7.21	14
Chris Watson	3	4.34	37.0	124	3.86	6.80	18
Andre Woolfolk	1	4.46	35.5	128	3.95	6.76	10

SAFETY

Drill	Unit of Measure	Average by Round								Starters	
		1st	2nd	3rd	4 th	5 th	6th	7th	All	5 Yr	3 Yr
40 Speed	Seconds	4.46	4.453	4.54	4.53	4.60	4.58	4.58	4.56	4.54	4.53
Vertical Jump	Inches	37.2	37.0	36.9	37.0	36.1	36.3	35.6	36.6	36.6	36.7
Broad Jump	Inches	122.4	121.2	120.7	121.9	121.4	120.6	119.0	120.9	120.1	120.5
20 Yard Shuttle	seconds	4.12	4.07	4.12	4.15	4.13	4.18	4.19	4.14	4.14	4.14
3 Cone Drill	seconds	6.79	6.93	7.02	7.03	6.93	7.10	7.01	6.99	7.03	6.97
Bench Press	reps	18.3	19.3	18.4	17.5	17.9	16.6	16.3	17.8	16.6	18.3

Best and Worst

Drill	Best				Worst			
	Player	Rd	Year	Score	Player	Rd	Year	Score
40 Speed	Tyvon Bracn	4	2008	4.31	Kevin Ellison	6	2009	4.82
Vertical Jump	Gerald Sensabaugh	5	2005	46.0	Christopher Horton	7	2008	28.5
Broad Jump	Pierson Prioleau	4	1999	134	Kevin Payne	5	2007	106
20 Yd Shuttle	Justin Beriault	6	2005	3.84	Dashon Goldson	4	2007	4.46
3 Cone Drill	Rogers Beckett	2	2000	6.48	Carey Scott	6	2001	7.52
Bench Press	Kevin Ellison	6	2009	32	Kenoy Kennedy	2	2000	8

2011 Pro Bowl Selections

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Dashon Goldson	4	4.60	34.5	115	4.46	7.37	12
Troy Polamalu	1	DNP	DNP	DNP	DNP	DNP	DNP
Ed Reed	1	DNP	DNP	DNP	DNP	DNP	DNP
Earl Thomas	1	4.44	DNP	DNP	DNP	DNP	21
Eric Weddle	2	4.48	33.5	113	4.12	6.78	11
Adrian Wilson	3	4.53	39.5	120	DNP	DNP	21

Good Combine Scores/Little Production

Player	Round Selected	40 Yard Dash	Vertical Jump	Broad Jump	20 Yard Shuttle	3 Cone Drill	Bench Press
Johndale Carty	4	4.55	40.0	126	4.15	7.00	12
Kevin Curtis	4	4.53	37.5	124	3.88	6.75	24
Antwan Harris	6	4.34	39.0	121	4.01	6.75	16
Guss Scott	3	4.46	39.0	124	DNP	DNP	20
Mariel Underwood	4	4.45	38.0	118	4.22	7.12	19